FISHERIES OF THE UNITED STATES - 1965

UNITED STATES DEPARTMENT OF THE INTERIOR
Fish and Wildlife Service
Bureau of Commercial Fisheries

C.F.S. NO. 4100

The data used in this publication were prepared under the direction of Charles H. Lyles. The material was prepared for publication by the staff of the Branch of Fishery Statistics under the supervision of Frank Riley assisted by Elizabeth C. Brown. Special mention and thanks should be made to E.A. Power who has given many valuable suggestions and aided in the preparation of this report.

The cooperation of the various States in supplying operating unit and catch statistics used in this report is gratefully acknowledged. Data on the production of canned fishery products and fish meal and oil in tables on pages 20 and 21 were supplied by the Alaska Department of Fish and Game.

UNITED STATES DEPARTMENT OF THE INTERIOR
Stewart L. Udall, *Secretary*
John A. Carver, Jr., *Under Secretary*
Stanley A. Cain, *Assistant Secretary for Fish and Wildlife and Parks*
FISH AND WILDLIFE SERVICE, Clarence F. Pautzke, *Commissioner*
BUREAU OF COMMERCIAL FISHERIES, Donald L. McKernan, *Director*

FISHERIES OF THE UNITED STATES
1965

by

Charles H. Lyles

Acting Chief, Branch of Fishery Statistics

Division of Economics

C. F. S. NO. 4100

Washington, D. C. 20240

March 1966

Contents

Page

REVIEW--1965 v

U.S. CATCH

Catch of certain species, 1964-65. 2
Catch of fish and shellfish, 1946-65 3
Catch by States, 1964-65 4
Domestic catch from waters off the United States and on the high seas off foreign coasts, 1965. 5
Monthly catch and utilization of fish and shellfish, 1965. 6
Landings at certain U.S. ports, 1965 7
Disposition of catch, 1964-65. 7
Volume of the catch by regions, various years, 1940-65 8
Value of the catch by regions, various years, 1940-65. 9
Relative volume of the catch, by species, 1964 10
Relative value of the catch, by species, 1964. 11
Volume of catch by regions, 1965 12
Value of catch by regions, 1965. 13
Take of Pribilof Islands sealskins, 1956-65. 14
Average value of Pribilof Islands sealskins, 1957-65 14
Whale catch, 1965. 15
Whale products, 1965 15

WORLD FISHERIES

World catch of fish, crustaceans, mollusks, etc., by countries, 1964 . . . 16
World catch of fish, crustaceans, mollusks, etc., by continents, 1959 and 1964 17
World catch of fish, crustaceans, mollusks, etc., by major fishing areas, 1959 and 1964. 17
Estimated use of the world catch, 1959 and 1964. 17
World catch of fish, crustaceans, mollusks, etc., by species groups, 1959 and 1964 18
World catch by leading countries, 1955-65 (graph). 19

PROCESSED FISHERY PRODUCTS

Canned pack
Pack of certain canned products, 1964-65. 20
Production of canned fishery products, various years, 1936-65 20
Fish meal, oil, and solubles
Production of fish meal, oil, and solubles, 1964-65 21
Frozen fish
Freezings and holdings of fish and shellfish, 1964-65 22
Fish sticks, portions, and breaded shrimp
Production of fish sticks and portions, 1955-65 23
Production of breaded shrimp, 1955-65 23
Packaged fish
Production of packaged fish, 1965 24
Industrial products
Production of industrial products, 1950-65. 24

Contents

Page

FOREIGN TRADE

U.S. Imports
- Important fishery imports, 1964-65. 25
- Imports of shrimp, various years, 1940-65 26
- Imports of shrimp by product types, 1963-65 27
- Imports of fish meal and scrap by country of origin, various years, 1950-65. 27
- Imports of fish solubles by country of origin, various years, 1958-65. 27
- Quota and imports of canned tuna, 1956-65 28
- Imports of fishery products, 1950-65. 28
- Value of U.S. imports of edible fishery products, by continent and country of origin, 1964. 29
- U.S. imports of edible fishery products, by continent and country of origin, 1964. 30

U.S. Exports
- Important domestic fishery exports, 1964-65 31
- Exports of domestic fishery products, various years, 1940-65. 31
- Exports of domestic and foreign shrimp products, 1961-65. 32
- Exports of domestic fish and fish liver oils, 1961-65 32
- Exports of domestic sardines, various years, 1960-65. 32
- Value of U.S. exports of fishery products, by continent and country of destination, 1964 33
- U.S. exports of edible fishery products, by continent and country of destination, 1964 34

SUPPLY OF FISHERY PRODUCTS (Domestic Production Plus Imports)

- Supply of fishery products, 1955-65. 35
- Supply of edible fishery products, 1955-65 35
- Supply of industrial fishery products, 1955-65 35
- Supply of groundfish and Atlantic ocean perch fillets, 1955-65 36
- Supply of fillets, steaks, etc., other than groundfish and Atlantic ocean perch, 1955-65. 36
- Supply of canned salmon, 1955-65 36
- Supply of canned tuna, various years, 1940-65. 37
- Supply of canned bonito and yellowtail, various years, 1940-65 37
- Catch and imports of tuna, 1955-65 38
- Supply of canned sardines, 1955-65 38
- Supply of canned sardines obtained from domestic pack and imports, 1955-65 38
- Supply of fresh and frozen spiny lobsters, 1955-65 39
- Supply of fresh and frozen northern lobsters, 1955-65. 39
- Supply of shrimp, 1955-65. 39
- Supply of scallop meats, 1955-65 40
- Supply of canned shrimp, 1959-65 40
- Supply of canned crab meat, various years, 1939-65 41
- Supply of fish oils, 1950-65 41
- Supply of fish meal and solubles, 1955-65. 42
- Supply of fish meal, 1955-65 42
- Supply of fish solubles, 1955-65 42

Contents

Page

VALUE

Value of manufactured fishery products at processor's level, 1964-65 . . . 43
Estimated value of fishery products at various levels, 1964-65 43
Wholesale average prices and indexes for edible fish and shellfish, December 1965 with comparisons. 44
Imports: Value, duties collected, and ad valorem equivalent, 1936-64. . . 45

PER CAPITA CONSUMPTION

Per capita consumption of commercially-caught fish and shellfish, 1963-65 . 46
Per capita consumption of canned fishery products, 1936-40 and 1946-65. . . 47
Per capita consumption of certain fishery items, 1936-40 and 1946-65. . . . 47
Annual per capita supply of fish and shellfish, by region and country, latest available data. 48

EMPLOYMENT, CRAFT AND PLANTS

Plants producing canned and industrial fishery products, 1965 49
Employment, fishing craft, and establishments, various years, 1930-64 . . . 50
Additions to the U.S. fishing fleet, 1965 51

MILITARY PURCHASES

Purchases of fresh, frozen, and canned fishery products, by defense subsistence supply centers, 1950-65. 52
Purchases of principal fresh and frozen fishery products, by defense subsistence supply centers, 1964-65. 52

FINANCIAL ASSISTANCE PROGRAMS

Fishery loan program. 53
Fishing vessel mortgage insurance program 53
Fishing vessel construction-differential subsidy program. 53

GENERAL ADMINISTRATIVE INFORMATION

Bureau of Commercial Fisheries
Washington, D. C. 54
Regional and area offices. 55
Fishery Statistical offices. 56
Fishery Market News offices. 57
Branch of Loans and Grants 57
Publications 58
How to order publications. 59

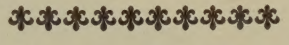
INDEX

Statistical subject index 61

REVIEW, 1965

The world's seafood harvest soared from 102.3 billion pounds in 1963 to 113.8 billion pounds in 1964, with the upward trend continuing in 1965. The U.S., however, did not share in this expansion of production and remained fifth among the fishing nations of the world. Nevertheless, the use of fishery products in this country has been expanding steadily and the U.S. has become the world's largest importer of fishery products. We now receive over 50 percent of our edible fishery products from foreign countries.

The year was one of awakening for many segments of the domestic fishing industry. It became a matter of record that off our shores are great potential fishery resources. They could supply this nation with 5 times its present catch and provide the raw materials needed to become a major exporter of fishery products. The Government, aware of these resources and the expansion of foreign fishing fleet activity off our coasts, is working to insure that this Nation participates fully in the harvest. The Bureau of Commercial Fisheries is now engaged in expanded programs of research, development, and services designed to assist the fishing industry in more economical methods of production and in locating new markets at home and abroad. There is cause for optimism that our domestic fisheries will be restored to their traditional place as one of the leading fishing nations of the world.



It was a relatively prosperous year for most domestic fishermen and processors. U.S. fishermen landed 4,722 million pounds in 1965 that sold at $451 million--the highest dollar value in our history. The volume taken was 181 million pounds or 4 percent more than in 1964. (Record--5,345 million pounds in 1962). The value increased $61 million or 16 percent, and the average price per pound of 9.5 cents was the highest ever recorded.

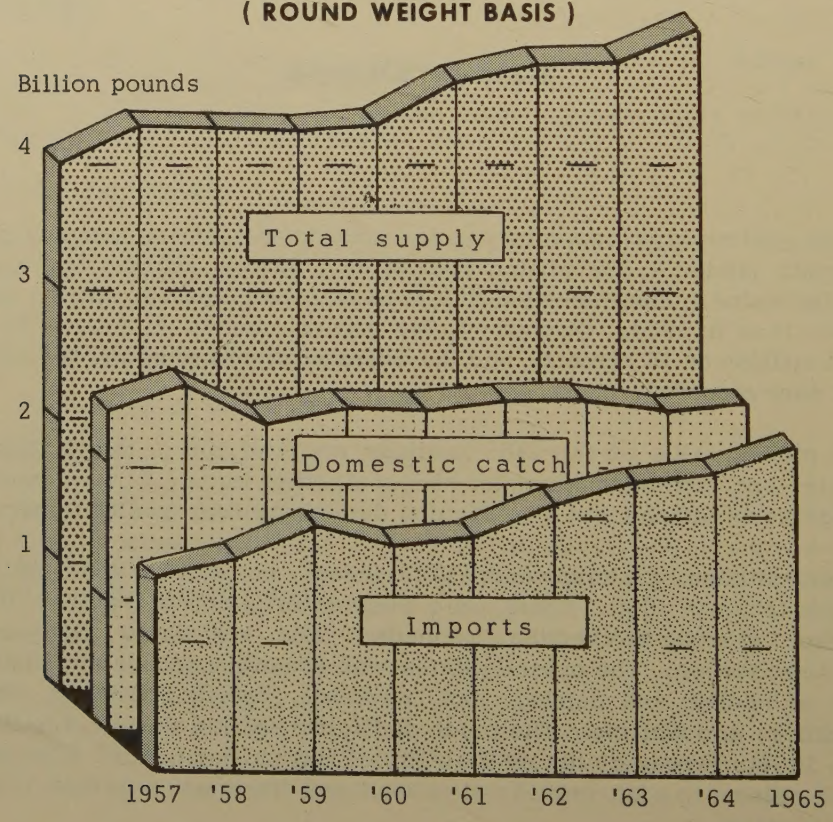
The record value of the 1965 landings resulted from a larger catch of high-priced species and increased prices for almost all other items. The increase reflected significant gains in demand and a continuing desirability for quality fishery products.

Record catches of Atlantic and Gulf flounders, crabs (blue and king), and spiny lobsters were taken in 1965. There were substantial gains in landings of alewives, Pacific halibut, Atlantic sea herring, menhaden, tuna, surf clams, Dungeness crabs, sea scallops and shrimp. The overall picture was somewhat clouded by sharp declines in landings of Pacific sea herring, jack mackerel, Pacific mackerel, ocean perch, Pacific sardines, and whiting. The catch of Pacific salmon was 25.4 million pounds less than in 1964. However, the availability of fish shifted in 1965 from the less expensive pink salmon to high-priced red salmon and fishermen received $11.1 million more for their catch.

REVIEW, 1965

Processors of fishery products also made substantial gains in 1965. The total value of all industrial products ($81.9 million) was the highest since 1956. Many segments of the canning industry experienced a good year. There were record packs of tuna and clam products and increases in the packs of Maine sardines, animal food, and shrimp. Canned fishery products were worth a record $484 million. The remarkable fish stick and portion industry established both volume and value records--production was over 200 million pounds valued at near $100 million. Processors of breaded shrimp produced a record 97 million pounds valued at a new high of $76 million. That segment of the industry engaged in the preparation of fish and shellfish specialty dinners and other packaged fish and shellfish products also experienced spectacular growth in 1965. Producers of fresh and frozen fillets had a relatively good year--the volume of groundfish fillets was less but other types of fillets were produced in larger volume.

U.S. SUPPLY OF EDIBLE FISHERY PRODUCTS, 1957-65
(ROUND WEIGHT BASIS)



REVIEW, 1965

HIGHLIGHTS OF 1965

RECORDS ESTABLISHED

CATCH

- Total value --- $451 million. . . . . .(previous high, 1962 --- $396 million).
- Flounders (total, Atlantic and Gulf States) --- 133.9 million pounds. . . . . .(previous high, 1964 --- 129.0 million pounds).
- Crabs, blue --- 167.2 million pounds. . . . . .(previous high, 1964 --- 157.1 million pounds).
- Crabs, king --- 126.0 million pounds. . . . . .(previous high, 1964 --- 86.7 million pounds).
- Lobsters, spiny --- 6.2 million pounds. . . . . .(previous high, 1957 --- 4.7 million pounds).

MANUFACTURED PRODUCTS

- Tuna, canned --- 18.1 million cases. . . . . .(previous high, 1964 --- 17.7 million cases).
- Clams, canned, whole and minced --- 612,000 cases. . . . . .(previous high, 1964 --- 579,000 cases).
- Clams, canned, chowder and juice --- 1.9 million cases. . . . . (previous high, 1964 --- 1.7 million cases).
- Fish sticks --- 82.3 million pounds. . . . . .(previous high, 1963 --- 79.3 million pounds).
- Fish portions --- 139.4 million pounds. . . . . .(previous high, 1964 --- 106.3 million pounds).
- Breaded shrimp --- 97.2 million pounds. . . . . .(previous high, 1964 --- 91.3 million pounds).
- Fillets and steaks (other than groundfish) --- 90.6 million pounds. . . . . .(previous high, 1964 --- 86.0 million pounds).
- Freezings (production) of fish and shellfish --- 366.8 million pounds. . . . . .(previous high, 1963 --- 351.2 million pounds).

REVIEW, 1965

IMPORTS

- Edible fishery products --- 2.6 billion pounds (live-weight basis). . . . . .(previous high, 1964 --- 2.4 billion pounds).
- Groundfish and ocean perch fillets (including blocks and slabs) --- 295.0 million pounds. . . . . .(previous high, 1964 --- 246.6 million pounds).
- Tuna, albacore (fresh and frozen) --- 135.3 million pounds. . . . . (previous high, 1964 --- 125.0 million pounds).
- Scallops, sea (meats) --- 16.3 million pounds. . . . . .(previous high, 1964 --- 16.1 million pounds).
- Lobster tails, spiny --- 37.8 million pounds. . . . . .(previous high, 1962 --- 35.9 million pounds).
- Shrimp --- 163.1 million pounds, import weight; 178.9 million pounds, heads-off basis. . . . . .(previous high, 1964 --- 154.6 million pounds, import weight; 169.5 million pounds, heads-off basis).
- Oysters, canned --- 8.6 million pounds. . . . . .(previous high, 1963 --- 8.3 million pounds).

EXPORTS

- Shrimp, canned --- 4.5 million pounds. . . . . .(previous high, 1964 --- 3.7 million pounds).
- Squid, canned --- 11.9 million pounds. . . . . .(previous high, 1959 --- 9.2 million pounds).

SUPPLY (Domestic production plus imports)

- Edible fishery products --- 5.1 billion pounds (live-weight basis). . . . . .(previous high, 1964 --- 4.9 billion pounds).
- Fillets, groundfish and ocean perch (including blocks and slabs) --- 371.9 million pounds. . . . . .(previous high, 1964 --- 321.7 million pounds).
- Fillets (other than groundfish and ocean perch) --- 165.4 million pounds . . . . . .(previous high, 1964 --- 159.5 million pounds).
- Tuna, canned --- 408.6 million pounds. . . . . .(previous high, 1964 --- 404.5 million pounds).

REVIEW, 1965

SUPPLY - Continued

- Shrimp --- 329.9 million pounds, heads-off basis. . . . . .(previous high, 1964 --- 302.6 million pounds, heads-off basis).

OTHER IMPORTANT FACTS

- The menhaden catch of 1.7 billion pounds accounted for 36 percent of the total U.S. catch of all species.

- Shrimp was the most valuable item taken by domestic fishermen in 1965, accounting for 18.2 percent of the total paid for all species. The amount paid for shrimp ($82.1 million) was 22 percent more than for the second most valuable item, Pacific salmon.

- Louisiana led all States in volume of catch--793.7 million pounds--followed by Alaska, 483.8 million pounds--Virginia, 478.7 million pounds--California, 456.4 million pounds--and Massachusetts, 429.7 million pounds.

- Alaska led all States in value of catch--$71.7 million--followed by California, $51.6 million--Massachusetts, $45.7 million--and Louisiana, $39.8 million.

- The Bureau of Customs reported 663 vessels obtained documents as fishing vessels in 1965. Of this total, 428 craft were build in 1965 for commercial fishing; 33 were completed in 1964, but were not documented until 1965; and 10 vessels whose year of construction was unknown. There were 192 older vessels converted to fishing in 1965.

- For the 17th consecutive year, San Pedro led all other U.S. fishing ports in value of catch.

- Foreign vessels, principally Russian and Japanese, intensified their fishing operations off U.S. coasts in 1965.

- Peru was the world leader in total fishery landings in 1964 followed by Japan, China (Mainland), U.S.S.R., and the U.S. The U.S.S.R. fulfilled their fishery catch plan in 1965 taking 5.6 million metric tons of marine products. The 1965 catch was larger than in 1964 and a large increase is planned in 1966. If the present rate of increase continues, the U.S.S.R. will be the leading fishing nation by 1967 or 1968.

REVIEW, 1965

MAJOR SPECIES

- Menhaden. . . . . .Landings of menhaden increased 8 percent from 1,570 million pounds in 1964 to 1,704 million pounds in 1965. However, this was 27 percent below the record 1962 catch of 2,348 million pounds. The Gulf of Mexico contributed an unprecedented 60 percent of the total catch--the Atlantic fishery, a low of 40 percent. Nationally, the menhaden catch again outranked by a wide margin that of any other commercial species. Principally responsible for the improved catch was production along the Gulf Coast which increased from 904 million pounds in 1964 to 1,023 million pounds in 1965. Some of this increase can be attributed to a modest rise in fishing effort, but most is credited to what Bureau scientists believe was a fairly strong 1964 year class that predominated in catches throughout the season. Hurricane Betsy struck Louisiana in early September. Some processing facilities were damaged, but its most widespread effect on the fishery was the general curtailment of fishing at an earlier date than usual. There was a slight improvement in the Atlantic fishery and the catch increased 2 percent. However, production continued poor in New York, North Carolina, and more significantly, in Chesapeake Bay (Virginia) where steadily increasing fishing pressure on younger fish appeared to be taking its toll. Because of the situation in the Atlantic fishery, industry worked vigorously for an expanded program of Government research that would expedite rehabilitation of the Atlantic menhaden resource.

- Salmon, Pacific. . . . . .Domestic fishermen took a catch of 326.8 million pounds--about 25 million pounds less than in 1964, but well above the 1959-63 average of 271.3 million pounds. Fishermen were paid $11.1 million more for their catch in 1965 because the availability of fish shifted from less expensive pink salmon to high-priced red salmon. Alaska produced nearly 85 percent of the Pacific Coast production. Outstanding was the phenomenal run of about 61 million red salmon to the Bristol Bay area of Alaska--about twice the preseason estimate, and one of the largest runs in history. There was an exceptionally heavy return of small fish that had only 2 years of sea life. Of the total red salmon run, U.S. fishermen caught approximately 24 million fish, and 8 million were estimated to have been taken by the Japanese high seas fishery. This left a spawning escapement to Bristol Bay streams of about 29 million red salmon. Had the industry expected the large run, it would have been prepared to process more of it. Red salmon catches also improved in other areas of Alaska, but pink salmon, usually the leading species in Alaska, was in short supply. Pink salmon normally run in volume only in odd-numbered

years in Puget Sound, but they were strangely absent along the entire coast in 1965. Chum salmon were disappointing almost everywhere. Chinook or king salmon fishing improved on the Columbia River, and fishing for silver salmon was good in most areas.

- Tuna. . . . . .The catch of tuna, landed in continental United States and Hawaii, was 319.3 million pounds--4 percent more than in the previous year. Landings of albacore were down from 48.1 million pounds in 1964 to 37.2 million pounds and bluefin fell from 30.4 million pounds to 21.8 million pounds. However, landings of skipjack were 24 million pounds or 31 percent larger than in 1964 and the yellowfin catch increased 9.2 million pounds or 6 percent. Total landings were down along the Atlantic Coast and at California ports, but increased greatly in Washington and Oregon. Tuna landings in Hawaii were excellent and more skipjack tuna (16.5 million pounds) were landed than ever before. Processors canned a record 18.1 million cases of tuna valued at a new high of $228.1 million. Production and consumption of tuna was excellent in 1965 and the popularity of this item increased. There was a large backlog of raw tuna aboard California fishing vessels at the opening of 1965. But, by the end of the year there were shortages of both domestic and imported fish. Inventories of canned tuna were at a low level. Such conditions stimulated active and competitive bidding for raw fish, and American fishermen received record-high prices for yellowfin and skipjack tuna. Prices for canned tuna, which had held steady most of the year, were advanced.

- Groundfish. . . . . .The Atlantic fishery for groundfish (cod, cusk, haddock, ocean perch, pollock, and white hake) landed 272 million pounds --12 million pounds less than in 1964. Most of the decline was in the landings of ocean perch, which totaled only 83.5 million pounds--5.8 million pounds less than in 1964 and 175 million pounds under the record 1951 production. Cod landings of 35.3 million pounds were the smallest on record. Haddock landings (134 million pounds) increased only slightly, but fishermen received higher average prices. The abundant 1963 year class of haddock entered the fishery in 1965 and should continue to provide good fishing in 1966.

- Herring, sea, Maine. . . . . .The catch of Atlantic herring (used principally for canning "sardines") was better in 1965 but still one of the poorest in 25 years. The catch amounted to 75.5 million pounds compared with 63.7 million pounds in the previous year. Fishing was spotty throughout most of the year and while catches in Washington County were good, landings along the mid-coast were only fair, and the Casco Bay fishery was virtually a failure. Imports of fresh sea

herring from Canada into Maine ports totaled 118 million pounds and helped canners overcome the small supply of domestic fish. In 1965, canned sardines were packed for the first time in many years on a year-round basis.

- Herring, sea, Alaska. . . . . .The Alaska catch of sea herring (used entirely in the manufacture of fish meal and oil or as bait) was 35.6 million pounds. This was 16.6 million pounds less than the 52.2 million pounds taken in 1964. The Alaska reduction industry was disappointed at the small catch because excellent spawning in the spring gave hopes for a good season. It was reported that unseasonable cold water prevailed during the summer, thus limiting the amount of feed in the usual herring fishing areas.

- Whiting. . . . . .Landings of whiting totaled 84.3 million pounds--somewhat less than the 94.2 million pounds landed in 1964. The whiting season was not up to expectations from the standpoint of total catch, but the market was excellent throughout the year. Cold storage holdings, at the end of the year, were well below those of a year ago and dressed whiting was being quoted at prices over 50 percent above prices of a year ago. There was belief among fishermen and processors that the fishing effort of foreign vessels (primarily U.S.S.R.), cut sharply into the 1965 domestic catch and that there was a possibility of a further decline in 1966.

- Mackerel, jack and Pacific. . . . . .The combined landings of jack and Pacific mackerel totaled 73.7 million pounds--42.8 million pounds less than the 116.5 million pounds taken in 1964. Landings of jack mackerel (66.7 million pounds), the smallest since 1955, were down 23.0 million pounds. The catch of Pacific mackerel (7.0 million pounds) was down 19.8 million pounds and the smallest since 1953. Mackerel fishing off California left much to be wanted. Ex-vessel price disputes, stormy weather, and below average landings plagued the industry throughout 1965.

- Halibut, Pacific. . . . . .United States and Canadian fishermen landed 63.5 million pounds (dressed weight) of halibut--about 3.6 million pounds more than the 59.9 million pounds taken in 1964. The increase resulted mainly from improved fishing in Area 2 which produced 24.4 million pounds of halibut compared with 19.7 million pounds in the previous year. Halibut production in Area 3B South declined 792,000 pounds from 1964 for a total of 3.9 million pounds. Production from Area 3B (North Triangle) in the Bering Sea amounted to only 552,000

pounds compared with 1.9 million pounds in 1964. This is the area that was opened to Japanese participation in 1963 when the Canadian and U.S. catch for that area totaled 7.3 million pounds. The halibut catch by U.S. fishermen (30.4 million pounds--dressed weight) was up 4.0 million pounds from 1964; the Canadian catch (33.1 million pounds) was down slightly. The larger domestic catch was partly due to an increase in the U.S. fleet (215 vessels compared to 205 in 1964, while the Canadian fleet declined from 207 vessels to 189 in 1965). Halibut prices reached new heights in 1965. Landings at Seattle averaged 34.5 cents per pound compared to 25.5 cents in 1964. The U.S. halibut fleet's catch had a total ex-vessel value of $9.4 million --in 1964 the catch was valued at $5.9 million.

- Sardines, Pacific. . . . . .The sardine fishery, once known as the largest fishery of the United States (over 1.5 billion pounds were taken in 1936) just about disappeared in 1965. The catch was nominal (only 2 million pounds) and the pack of canned sardines (7,489 standard cases) was the smallest on record. Production was so poor that the California Department of Fish and Game discontinued publishing sardine data in its monthly report on landings and canned packs.

- Shrimp. . . . . .The total U.S. catch of shrimp was 241.6 million pounds, compared with 211.8 million pounds in the previous year. Landings of 221.4 million pounds at Gulf and South Atlantic ports were 13 percent larger than the 196.4 million pounds landed in 1964 and the heaviest landings since 1960. Fishermen fared well as stable and relatively high ex-vessel prices prevailed throughout most of the year. However, most processors found it necessary to operate on reduced profit margins. The central and eastern Louisiana coastal areas were hit hard by Hurricane Betsy in September, but damage to shore plants and the shrimp fleet was nominal. The major hardship was the curtailment of fishing operations for about two weeks due to bottom conditions and lack of ice and fuel at some ports. Construction of new shrimp vessels continued at record levels although many went directly to join the American shrimp fleet fishing out of ports in the Caribbean area. On the Pacific Coast, landings increased from 14.5 million pounds to 18.1 million pounds, but all of the gain took place in Alaska. Shrimp were available in Washington and Oregon, but the size was small and the recovery of meat was so low that canners found it difficult to operate at a profit. Overcoming the problem caused by earthquake destruction, Alaska canneries and fishing craft made a strong comeback in 1965.

REVIEW, 1965

- Crabs, blue. . . . . .The Atlantic and Gulf catch of blue crabs was a record 167.2 million pounds--over 10.1 million above the 1964 landings of 157.1 million pounds. Landings in Maryland were up sharply and a much larger catch was taken in Florida. In all other areas, crab production was on about the same level as in the previous year.

- Crabs, Dungeness. . . . . .The catch of Pacific Dungeness crabs improved in 1965. Landings totaled 27.0 million pounds compared with 23.0 million pounds taken in 1964 and were the largest since 1961. Dungeness crab canning was limited in Oregon and Washington, but Alaska stepped up its canning and processing of fresh and frozen products.

- Crabs, king. . . . . .Alaska fishermen took a record-shattering catch of over 126 million pounds in 1965--39.3 million pounds or 45 percent above the excellent 1964 catch of 86.7 million pounds. The record catch has been attributed almost entirely to an increase in processing plant capacity and associated fishing effort in the Kodiak area. It was reported that Kodiak Island now has 11 king crab processing plants that require an estimated 40,000 crabs each day. Alaska's pack of canned crab meat was less than in 1964. However, the tremendous increase in popularity for king crab products resulted in large quantities of frozen meat and legs being sent to both domestic and foreign markets.

- Oysters. . . . . .Production of oysters was only 53.8 million pounds--6.7 million pounds less than in 1964 and the lowest catch on record. Landings in Maryland were better than in 1964, but there were sharp decreases in landings at New Jersey, Virginia, Alabama, Mississippi, and Louisiana. The 1965 pack of canned oysters totaled only 288,000 cases (the lowest pack since 1945) compared with 422,000 cases packed in 1964.

- Sea Scallops. . . . . .Landings of sea scallop meats increased from 16.9 million pounds in 1964 to 20.0 million pounds in 1965. Landings in Massachusetts were less than in 1964, but New England processing plants were supported to a great extent by catches from Middle Atlantic grounds. There were sharp increases at ports in New York, New Jersey, and Virginia. A steady buildup of stocks in the last half of 1965 developed when U.S. and Canadian vessels landed scallops at a rate faster than the market could handle. High stocks necessitated some price reduction to reduce inventories. Sea scallop meats were sold (ex-vessel) for as high as 89.6 cents per pound but the average price at New Bedford, Massachusetts in 1965 was 67.5 cents compared to 54.3 cents in 1964.

REVIEW, 1965

- Canned fishery products. . . . . .The pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 38.3 million standard cases (1.1 billion pounds) valued at $484.1 million to the packers. Compared with the pack in 1964, production increased by 2.6 million cases and $47.4 million. The gain in production resulted mainly from a record pack of tuna, and increases in the packs of Maine sardines, clam products, animal food, and shrimp. There were smaller packs of salmon, mackerel, Pacific sardines, and oysters.

  The pack for human consumption (746.9 million pounds) was 4.8 million pounds more than in 1964, while the production of bait and animal food increased 25.9 million pounds. The value of three items --salmon, tuna, and animal food--accounted for 82 percent of the total received by producers of canned fishery products. Animal food containing less than 10 pounds of fish per standard case of 48 pounds (4,116,286 standard cases valued at $18,337,222) was not included in the 1965 total.

- Packaged fish. . . . . .Production of fresh and frozen packaged fish fillets and steaks in the United States, excluding Alaska and Hawaii, was 167.5 million pounds valued at $65.5 million to the processors. Compared with production in 1964, this was an increase of 6.4 million pounds valued at $8.2 million. It was estimated that round (live) fish weighing 488.6 million pounds were required for the 1965 production of packaged fish fillets and steaks.

- Industrial fishery products. . . . . .The production of industrial fishery products in the United States, American Samoa, and Puerto Rico was valued at $81.9 million--an increase of $11.9 million over 1964.

  Marine animal scrap and meal. . . . . .The production of 253,371 tons was 8 percent more than the 235,252 tons produced in 1964. Menhaden meal and scrap production increased from 160,349 tons in 1964 to 175,838 tons in 1965. Imports of meal amounted to only 270,666 tons (down 38 percent) and the total supply (domestic production plus imports) was 524,037 tons--far below the 674,395 tons available in 1964.

  Marine animal oil. . . . . .Domestic production of marine animal oil amounted to 195.6 million pounds. This was 9 percent above the 180.2 million pounds produced in 1964. Menhaden oil totaled 175.4 million pounds--an increase of 17.6 million pounds. Exports of fish oil were 103.8 million pounds compared with 151.4 million pounds in 1964.

Fish solubles. . . . . .The 1965 production of solubles amounted to 98,017 tons--5 percent above the 1964 production of 93,296 tons. There was no production of homogenized condensed fish in 1965.

Other industrial products. . . . . .Products from oyster shells and buttons from fresh-water and marine mollusk shells were valued at $5.7 million in 1965. This was a decrease of over $490,000.

Other industrial items produced in 1965 included agar-agar, fish feed pellets and animal feeds, Irish moss extracts and stabilizers, kelp products, fish leather, fish fins, liquid and dry fertilizer, pearl essence and novelties, colored chips, and crab shells valued at $20.1 million. In 1964, these products were valued at $16.7 million.

- Fish sticks, portions, and breaded shrimp. . . . . .Production of fish sticks and portions was 221.7 million pounds valued at $91.4 million. Breaded shrimp production was 97.2 million pounds worth $76.2 million. Production of fish sticks (82.3 million pounds) increased 12 percent and portions (139.4 million pounds) 31 percent. Breaded shrimp production was 6 percent larger than in 1964.

To operate efficiently, an industry must have readily available accurate and current information concerning its operations. Data on production, processing, storage, transportation, marketing, and related information provide a measure of the economic condition of an industry. Review of an industry's statistics indicate trends which assist members in arranging their activities so as to take advantage of changing business conditions. Statistics supply government with the information it requires in peacetime to assist in protecting and developing industry, and in periods of national emergencies, they are the foundation on which a government marshals its strength.

The fishing industry and the government agencies concerned with commercial fisheries are particularly dependent upon statistical information. The industry is widely scattered, extending throughout the country and along thousands of miles of coastlines. A large portion of the catch is taken by independent fishermen and much of it is handled through small enterprises which have little contact with other segments of the fishing business. The industry is concerned with a great diversity of local fisheries and beset with a notoriously unstable supply. With over 200 species of fish and shellfish taken commercially and with the many processed products prepared from these various species, it is impossible to follow trends in the fisheries without adequate statistical data. Statistical information on the economic aspects of the commercial fisheries is most important to persons engaged in the industry and governmental agencies concerned with its regulation and protection. From the biological standpoint, statistics are of great importance as basic data in creating scientifically-sound fishery management programs which will produce maximum catches without depleting stocks.

In order to supply these data, the Bureau of Commercial Fisheries conducts statistical surveys of the fisheries and assembles information collected by state fishery departments and other local, state, and Federal agencies. Information is obtained on the volume and value of the catch of each species by gear of capture and geographical areas, employment in the fisheries, the volume and value of processed fishery products, freezings and cold-storage holdings, foreign trade statistics, and related information on a monthly and annual basis. Daily, weekly, and monthly data on landings, receipts, rail and truck movements, market conditions, prices of fishery products, and other related information are collected in important fishing ports and marketing centers. The data collected in these various ways are published in a large number of daily, monthly, and annual publications of the Branch of Fishery Statistics and the Branch of Fishery Market News.

Most of the statistical reports are distributed free to persons interested in receiving them. Information on how to obtain the various reports will be found on pages 59 and 60 of this publication.

U. S. CATCH

CATCH OF CERTAIN SPECIES, 1964-65

Species	1964		1965 1/		5-year av. 1959-63
Fish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Alewives, Atlantic and Gulf	43,240	701	59,700	800	52,828
Anchovies, California	4,975	82	5,600	100	5,456
Bluefish	4,647	572	4,900	500	4,509
Bonito	2,676	75	5,800	200	3,977
Butterfish	6,501	632	6,800	600	10,791
Cod, Atlantic	38,746	2,669	35,300	2,800	45,782
Croaker	2,462	224	3,500	300	5,975
Cusk	2,319	118	2,100	100	1,969
Flounders, Atlantic and Gulf:					
Blackback	20,927	1,697	22,300	2,000	17,012
Fluke	9,787	2,413	9,800	2,300	16,318
Yellowtail	82,852	5,587	80,200	7,400	48,739
Other	15,390	1,907	21,600	3,000	11,878
Total	128,956	11,604	133,900	14,700	93,947
Haddock	133,498	11,845	134,000	13,700	124,611
Hake, white	6,917	311	6,000	300	5,617
Halibut, Pacific	35,047	5,923	40,400	9,400	51,442
Herring, sea:					
Atlantic	63,683	1,334	75,500	1,300	129,625
Pacific	52,246	891	35,600	700	66,685
Mackerel:					
Atlantic	4,732	356	4,800	400	3,026
Jack (California)	89,693	2,109	66,700	1,800	79,096
Pacific (California)	26,828	666	7,000	200	41,469
Menhaden:					
Atlantic coast	665,824	9,189	681,400	9,800	1,405,922
Gulf	904,141	13,001	1,022,800	16,900	927,499
Mullet	41,774	2,351	41,300	2,600	42,130
Ocean perch, Atlantic	89,268	3,781	83,500	3,400	128,495
Pollock	13,287	658	11,000	700	19,845
Salmon, Pacific:					
Chinook or king	28,732	11,455	33,300	12,900	26,145
Chum or keta	65,842	5,235	28,900	2,400	47,134
Pink	162,325	17,182	78,800	8,500	104,538
Red or sockeye	57,276	13,427	153,100	35,500	70,847
Silver or coho	38,071	8,659	32,700	7,800	22,591
Total	352,246	55,958	326,800	67,100	271,255
Sardine, Pacific	13,138	500	1,900	100	39,501
Scup or porgy	38,525	2,934	35,500	3,200	46,243
Sea bass, Atlantic	8,120	1,018	8,900	1,000	8,057
Sea trout, gray	4,574	399	5,300	500	4,233
Snapper, red	13,884	4,061	13,600	4,000	12,046
Striped bass, Atlantic	8,560	1,373	7,300	1,400	8,819
Swordfish, Atlantic	3,052	1,043	2,700	1,100	1,424
Tuna: 2/					
Albacore	48,070	7,469	37,200	6,000	45,221
Bluefin 3/	30,450	3,803	21,800	2,900	27,817
Little	39	6	40	3	65
Skipjack	77,350	8,041	101,300	11,000	90,425
Yellowfin	149,797	20,070	159,000	22,500	145,208
Unclassified	123	9	-	-	-
Total	305,829	39,398	319,340	42,403	308,736
Whiting	94,233	2,067	84,300	2,200	105,051

See footnotes at end of table. (Continued on next page)

CATCH OF CERTAIN SPECIES, 1964-65 - Continued

Species	1964		1965 1/		5-year av. 1959-63
Shellfish	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds
Clams:					
Hard, Atlantic	14,573	8,816	15,300	9,900	13,724
Soft, Atlantic	11,030	3,121	10,900	3,100	8,445
Surf	38,144	2,619	44,100	3,200	29,050
Crabs:					
Blue	157,092	11,153	167,200	12,400	144,884
Dungeness	23,043	3,992	27,000	4,900	30,806
King	86,721	8,186	126,000	12,000	44,469
Lobsters:					
Northern	30,958	19,856	29,400	21,000	29,604
Spiny	4,088	1,880	6,200	3,400	3,597
Oysters (meats)	60,534	27,926	53,800	27,800	60,301
Scallops, sea (meats)	16,914	9,244	20,000	13,100	24,655
Shrimp (heads-on):					
South Atlantic States	17,341	6,633	26,500	10,100	23,715
Gulf States	179,032	62,695	194,900	70,700	175,573
Pacific Coast States	14,497	929	18,100	1,000	19,630
Other	951	119	2,100	300	232
Total	211,821	70,376	241,600	82,100	219,150
Squid, California	16,434	333	18,500	400	10,686
Other fish, shellfish, etc.	665,649	44,153	688,360	53,097	-
Grand total	4,540,622	389,498	4,721,600	450,700	-

1/ Preliminary. 2/ Does not include landings of tuna by U.S. vessels in Puerto Rico. 3/ Includes data on the catch of bigeye tuna in Hawaii. Note:--Statistics on the catch are shown in live (round) weight of all items except univalve and bivalve mollusks (clams, oysters, scallops, etc.) which are shown in the weight of meats, excluding the shell.

CATCH OF FISH AND SHELLFISH, 1946-65

Year	Catch for human food		Catch for industrial products 1/		Total	
	Million pounds	Million dollars	Million pounds	Million dollars	Million pounds	Million dollars
1946	3,049	(2)	1,418	(2)	4,467	313
1947	3,020	(2)	1,329	(2)	4,349	312
1948	3,146	(2)	1,367	(2)	4,513	371
1949	3,305	(2)	1,499	(2)	4,804	343
1950	*3,307	(2)	1,594	(2)	4,901	347
1951	3,048	(2)	1,385	(2)	4,433	365
1952	2,778	(2)	1,654	(2)	4,432	364
1953	2,519	(2)	1,968	(2)	4,487	356
1954	2,705	(2)	2,057	(2)	4,762	359
1955	2,579	(2)	2,230	(2)	4,809	339
1956	2,690	(2)	2,578	(2)	5,268	372
1957	2,475	(2)	2,314	(2)	4,789	354
1958	2,651	(2)	2,096	(2)	4,747	373
1959	2,369	(2)	2,753	(2)	5,122	346
1960	2,498	326	2,444	28	4,942	354
1961	2,490	329	2,697	33	5,187	362
1962	2,540	362	*2,814	34	*5,354	396
1963	2,556	347	2,291	30	4,847	377
1964	2,497	357	2,044	32	4,541	389
1965	2,546	413	2,176	38	4,722	451

1/ Manufactured into meal, oil, fish solubles, shell products, and used as bait and animal food. 2/ Data not assembled. *Record.

U. S. CATCH

CATCH BY STATES, 1964-65

State	1964		1965 1/		Record catch	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Year	Thousand pounds
Alabama	19,646	4,804	2/ 22,300	2/ 5,800	1955	29,307
Alaska	492,614	56,016	483,800	71,700	1936	932,341
Arizona	12	2	(3)	(3)	-	(4)
Arkansas	4,031	495	(3)	(3)	-	(4)
California	500,868	50,659	456,400	51,565	1936	1,760,183
Colorado	168	27	(3)	(3)	-	(4)
Connecticut	4,650	1,113	(3)	(3)	1930	88,012
Delaware	33,839	684	47,800	855	1953	367,500
Florida	187,016	30,787	209,226	34,090	1938	241,443
Georgia	18,338	2,973	20,019	4,140	1927	47,607
Hawaii	12,685	2,848	19,900	3,725	1954	20,610
Idaho	1,231	66	(3)	(3)	-	(4)
Illinois	7,421	745	(3)	(3)	-	(4)
Indiana	1,851	132	(3)	(3)	-	(4)
Iowa	3,737	300	(3)	(3)	-	(4)
Kansas	39	11	(3)	(3)	-	(4)
Kentucky	1,416	209	(3)	(3)	-	(4)
Louisiana	703,584	34,684	2/793,700	2/39,800	1965	2/793,700
Maine	192,575	21,958	204,856	21,924	1950	356,266
Maryland	70,828	11,729	86,244	13,235	1890	141,607
Massachusetts	446,495	40,184	429,700	45,700	1948	649,696
Michigan	19,769	2,522	19,600	2,700	1930	35,580
Minnesota	16,346	965	(3)	(3)	-	(4)
Mississippi	334,694	8,371	2/371,170	2/ 9,570	1961	391,689
Missouri	353	46	(3)	(3)	-	(4)
Montana	237	16	(3)	(3)	-	(4)
Nebraska	281	33	(3)	(3)	-	(4)
New Hampshire	1,209	601	(3)	(3)	-	(4)
New Jersey	139,362	9,423	159,851	11,293	1956	540,060
New Mexico	59	16	(3)	(3)	-	(4)
New York	197,468	10,880	2/148,060	2/12,550	1880	2/335,000
North Carolina	238,579	8,023	233,721	9,797	1959	342,612
North Dakota	488	33	(3)	(3)	-	(4)
Ohio	11,230	1,008	11,500	1,145	1936	31,083
Oklahoma	699	87	(3)	(3)	-	(4)
Oregon	57,206	7,030	66,810	8,700	1941	91,725
Pennsylvania	817	91	(3)	(3)	-	(4)
Rhode Island	36,928	3,740	47,211	4,400	1889	128,056
South Carolina	21,723	3,001	23,808	4,975	1957	24,402
South Dakota	3,208	188	(3)	(3)	-	(4)
Tennessee	9,766	1,148	(3)	(3)	-	(4)
Texas	146,121	29,651	2/153,850	2/35,750	1960	237,684
Utah	2,960	141	(3)	(3)	-	(4)
Virginia	465,768	24,219	478,700	26,026	1959	526,306
Washington	100,924	15,632	124,000	18,950	1941	197,253
Wisconsin	31,090	2,195	19,000	1,707	-	(4)
Wyoming	293	12	(3)	(3)	-	(4)
---	-	-	5/ 90,374	5/10,603	-	-
Total	4,540,622	389,498	4,721,600	450,700	-	-

1/ Preliminary. 2/ Catch in interior waters estimated. 3/ Data not available. 4/ Not determined.
5/ Estimated catch for States in which information was not available.
Note:--Statistics on the catch are shown in live (round) weight of all items except univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.) which are shown in the weight of meats, excluding the shell.

U. S. CATCH

DOMESTIC CATCH FROM WATERS OFF THE UNITED STATES
AND ON THE HIGH SEAS OFF FOREIGN COASTS, 1965

Area and species	Waters off U.S. coasts	High seas off foreign coasts	Total
Atlantic and Gulf States:	Thousand pounds	Thousand pounds	Thousand pounds
New England:			
Cod	32,824	1,966	34,790
Cusk	1,980	150	2,130
Flounders	111,779	681	112,460
Haddock	125,877	8,143	134,020
Hake, white	5,664	266	5,930
Halibut	334	27	361
Ocean perch	15,241	68,238	83,479
Pollock	10,145	846	10,991
Swordfish	682	56	738
Whiting	77,053	60	77,113
Wolffish	484	118	602
Unclassified	224,983	48	225,031
Total	607,046	80,599	687,645
Middle Atlantic, unclassified, total	354,877	-	354,877
Chesapeake, unclassified, total	564,944	-	564,944
South Atlantic, unclassified, total	354,785	-	354,785
Gulf:			
Groupers	7,978	1,082	9,060
Snapper, red	7,320	5,680	13,000
Shrimp	165,931	28,969	194,900
Unclassified	1,239,553	404	1,239,957
Total	1,420,782	36,135	1,456,917
Total Atlantic and Gulf States	3,302,434	116,734	3,419,168
Pacific Coast States:			
Alaska, Washington, and Oregon:			
Bottomfish (Washington and Oregon) 1/	40,350	42,150	82,500
Halibut	36,973	3,405	40,378
Tuna:			
Albacore	14,074	126	14,200
Skipjack	-	510	510
Yellowfin	-	1,948	1,948
Salmon	314,031	3,079	317,110
Unclassified	217,874	81	217,955
Total	623,302	51,299	674,601
California:			
Barracuda	273	89	362
Bonito	5,603	33	5,636
Flounders	20,709	115	20,824
Groupers	-	214	214
Rockfishes	8,784	100	8,884
Sea bass:			
Black	14	338	352
White	580	847	1,427
Sharks, unclassified	598	38	636
Tuna:			
Albacore	19,904	3,137	23,041
Bluefin	2,284	13,644	15,928
Skipjack	14	84,228	84,242
Yellowfin	-	156,553	156,553
Total tuna	22,202	257,562	279,764
Yellowtail	13	115	128
Unclassified	138,124	49	138,173
Total	196,900	259,500	456,400
Total Pacific Coast States	820,202	310,799	1,131,001
Great Lakes and Mississippi River States, unclassified, total	151,500	-	151,500
Hawaii, unclassified, total	19,900	-	19,900
Grand total	4,294,036	427,533	4,721,569

1/ Principally cod, flounders (including sole), lingcod, ocean perch, rockfishes, and sablefish.

U. S. CATCH

CATCH BY MONTHS

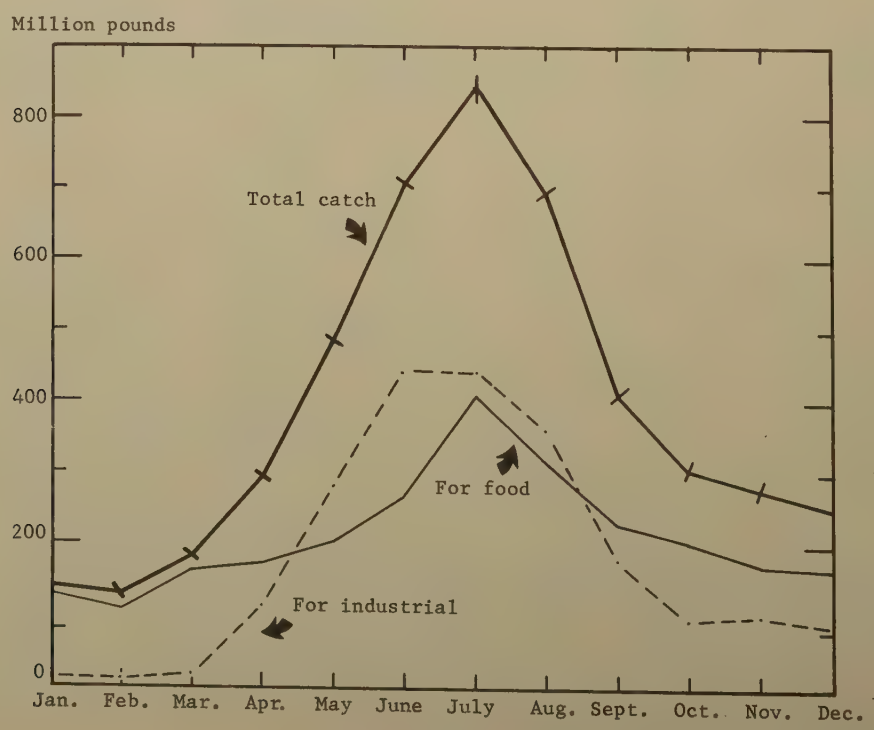
In 1965, July was the peak production month in the U.S. for foodfish and June for industrial fish. During the period May-September, 55.8 percent of the year's foodfish and 79.2 percent of the industrial fish was caught. Total landings during this period accounted for 66.6 percent of the 1965 catch. Sources from which data on current landings are obtained are shown in Fishery Leaflet 432 entitled, Fishery Statistical Publications of the Bureau of Commercial Fisheries. This report is available free upon request from the Office of Information, U.S. Fish and Wildlife Service, Washington, D.C. 20240.

MONTHLY CATCH AND UTILIZATION OF FISH AND SHELLFISH, 1965

Months	Catch for human food		Catch for industrial products 1/		Total	
	Million pounds	Percent	Million pounds	Percent	Million pounds	Percent
January	125	4.9	14	0.6	139	2.9
February	114	4.5	11	0.5	125	2.6
March	162	6.4	19	0.9	181	3.8
April	179	7.0	117	5.4	296	6.3
May	202	7.9	283	13.0	485	10.3
June	267	10.5	445	20.5	712	15.1
July	409	16.1	435	20.0	844	17.9
August	316	12.4	380	17.5	696	14.7
September	228	9.0	180	8.3	408	8.7
October	203	7.9	99	4.5	302	6.4
November	174	6.8	105	4.8	279	5.9
December	167	6.6	88	4.0	255	5.4
Total	2,546	100.0	2,176	100.0	4,722	100.0

1/ Manufactured into meal, oil, fish solubles, shell products, and used as bait and animal food.

MONTHLY CATCH AND UTILIZATION OF FISH AND SHELLFISH, 1965



LANDINGS AT CERTAIN U.S. PORTS, 1965

Port	Thousand pounds	Thousand dollars	Important species
San Pedro, Calif.	330,600	33,600	Tuna, mackerel
Pascagoula-Moss Point, Miss.	325,100	6,200	Menhaden and other industrial fish
Reedville, Va.	289,300	(1)	Menhaden
Empire, La.	185,000	6,000	Menhaden, shrimp
Cameron, La.	167,800	5,000	Menhaden, shrimp
Houma-Dulac, La.	151,700	6,300	Menhaden, shrimp
New Bedford, Mass.	147,000	19,800	Flounders, sea scallops
Morgan City, La.	134,700	6,400	Menhaden, shrimp
Beaufort-Morehead City, N.C.	130,200	3,200	Menhaden, shrimp
Gloucester, Mass.	120,500	7,100	Whiting, ocean perch, haddock
Boston, Mass.	104,100	11,700	Haddock, cod
San Diego, Calif.	52,500	6,900	Tuna
Portland, Me.	48,700	1,900	Ocean perch, sea herring, lobster
Lewes, Del.	45,600	(1)	Menhaden
Rockland, Me.	37,800	1,500	Ocean perch, sea herring, lobster
Brownsville-Port Isabel, Tex.	17,900	7,100	Shrimp

1/ Data not available.

Note:--The largest landings made at a U.S. port occurred in 1950 when 848 million pounds of fish and shellfish were landed in the San Pedro area. This catch was valued at $38 million which was likewise the greatest value received by fishermen for a catch landed at a U.S. port in a single year.

DISPOSITION OF CATCH, 1964-65

End use	1964		1965 1/	
	Million pounds	Percent	Million pounds	Percent
Fresh and frozen:				
For human food.	1,516	33.4	1,580	33.5
For bait and animal food.	127	2.8	150	3.2
Total	1,643	36.2	1,730	36.7
Canned:				
For human food.	910	20.0	890	18.8
For bait and animal food.	123	2.7	127	2.7
Total	1,033	22.7	1,017	21.5
Cured	71	1.6	76	1.6
Reduction to meal, oil, etc.	1,794	39.5	1,899	40.2
Grand total	4,541	100.0	4,722	100.0

1/ Preliminary.

U. S. CATCH

CATCH BY REGIONS

The fisheries of the Gulf States have shown substantial growth since 1940, increasing from 6 percent of the total domestic catch to 31 percent in 1965. During the same period, the California catch decreased from 32 percent to 10 percent. The New England, Middle Atlantic, and Alaska catch was less in 1965; the South Atlantic catch was slightly higher. Other areas showed little change. The increase in the Gulf was due largely to the growth of the menhaden fishery. The decrease in California was due to a failure of the sardine fishery and smaller catches of tuna and mackerel.

VOLUME OF THE CATCH BY REGIONS, VARIOUS YEARS, 1940-65

(Million pounds)

Region	1940	1950	1960	1964	1965
New England and Middle Atlantic:					
Quantity	982	1,498	1,636	1,052	1,043
Percent	24	31	33	23	22
Chesapeake:					
Quantity	321	381	435	536	565
Percent	8	8	9	12	12
South Atlantic:					
Quantity	325	261	379	336	355
Percent	8	5	8	7	8
Gulf:					
Quantity	250	571	1,266	1,318	1,457
Percent	6	12	26	29	31
Alaska:					
Quantity	564	482	358	493	484
Percent	14	10	7	11	10
Washington and Oregon:					
Quantity	166	177	162	158	191
Percent	4	4	3	4	4
California:					
Quantity	1,290	1,338	541	501	456
Percent	32	27	11	11	10
Great Lakes and Mississippi River:					
Quantity	162	177	154	134	151
Percent	4	3	3	3	3
Hawaii:					
Quantity	(1)	16	11	13	20
Percent	- —	- —	- —	- —	- —
Total quantity	4,060	4,901	4,942	4,541	4,722

1/ Data not available.

U. S. CATCH

VALUE BY REGIONS

The total value of the U.S. catch has increased 355 percent since 1940. Some regions (New England, Chesapeake, South Atlantic, and the States of Washington and Oregon) have shown little percentage change. In the Gulf States, increases in the menhaden and shrimp fisheries were responsible for the gain from 11 percent of the total amount paid fishermen in 1940 to 25 percent in 1965. The disappearance of sardines and lighter landings of tuna and mackerel in California caused the decline from 20 percent to 11 percent. In Alaska, the growth of the king crab fishery and an excellent catch of red salmon caused a percentage gain in 1965.

VALUE OF THE CATCH BY REGIONS, VARIOUS YEARS, 1940-65

(Million dollars)

Region	1940	1950	1960	1964	1965
New England and Middle Atlantic:					
Value	28.1	89.4	83.2	88.5	98.2
Percent	28	26	23	23	22
Chesapeake:					
Value	7.5	25.0	34.9	35.9	39.2
Percent	8	7	10	9	9
South Atlantic:					
Value	4.1	18.9	20.2	20.6	27.4
Percent	4	5	6	5	6
Gulf:					
Value	10.6	50.4	85.5	99.3	114.1
Percent	11	15	24	26	25
Alaska:					
Value	1/10.6	1/31.4	40.9	56.0	71.7
Percent	11	9	12	14	16
Washington and Oregon:					
Value	9.4	26.2	21.6	22.7	27.6
Percent	9	8	6	6	6
California:					
Value	20.2	81.6	49.6	50.7	51.6
Percent	20	23	14	13	11
Great Lakes and Mississippi River:					
Value	8.5	21.0	15.0	13.0	17.2
Percent	9	6	4	3	4
Hawaii:					
Value	(2)	3.5	2.7	2.8	3.7
Percent	-	1	1	1	1
Total value	99.0	347.4	353.6	389.5	450.7

1/ The value of the Alaska catch for this year does not include types of compensation (food, use of boats, gear, etc.) which were added to the value of the catch for the years following.
2/ Not available.

U. S. CATCH

RELATIVE VOLUME OF THE CATCH BY SPECIES, 1964

SPECIES	QUANTITY	PERCENT OF TOTAL	RECORD CATCH AND YEAR	
	THOUSAND POUNDS	PERCENT	YEAR	THOUSAND POUNDS
MENHADEN	1,569,965	34.6	1962	2,347,944
SALMON	352,321	7.8	1936	790,884
TUNA	305,829	6.7	1950	391,454
CRABS	270,442	6.0	1964	270,442
INDUSTRIAL FISH 1/	262,247	5.8	1964	262,247
SHRIMP	211,821	4.7	1954	268,334
FLOUNDERS	176,351	3.9	1963	176,798
HADDOCK	133,498	2.9	1929	293,809
HERRING, SEA:				
ATLANTIC	63,683	1.4	1902	200,598
PACIFIC	52,246	1.1	1937	263,200
TOTAL	115,929	2.5	-	-
WHITING	94,233	2.1	1957	133,041
JACK MACKEREL	89,985	2.0	1952	146,522
OCEAN PERCH, ATLANTIC	89,268	2.0	1951	258,320
CLAMS	64,464	1.4	1964	64,464
OYSTERS	60,534	1.3	2/ 1908	152,046
ALEWIVES	54,985	1.2	1908	89,978
COD:				
ATLANTIC	38,746	.9	1880	294,351
PACIFIC	6,414	.1	1915	32,681
TOTAL	45,160	1.0	-	-
MULLET	41,774	.9	1902	43,385
SCUP OR PORGY	38,525	.8	1960	49,229
CATFISH AND BULLHEADS	38,062	.8	1963	38,614
HALIBUT, PACIFIC	35,047	.8	1915	66,696
CARP	33,146	.7	1908	42,659
LOBSTERS, NORTHERN	30,958	.7	1960	31,168
MACKEREL, PACIFIC	26,828	.6	1935	146,727
OCEAN PERCH, PACIFIC	20,973	.5	1963	23,578
ROCKFISHES	19,315	.4	1945	57,686
SQUID	18,710	.4	1946	40,266
BUFFALOFISH	18,475	.4	1950	25,873
SCALLOPS, SEA	16,914	.4	1961	27,461
SNAPPER, RED	13,884	.3	1902	23,457
POLLOCK	13,287	.3	1938	40,694
SARDINE, PACIFIC	13,138	.3	1936	1,502,299
WHALE PRODUCTS 3/	11,009	.2	(4)	(4)
SHEEPSHEAD, FRESH-WATER	10,258	.2	1959	13,644
SPOT	8,985	.2	1952	15,863
GROUPERS	8,818	.2	1945	8,882
YELLOW PERCH	8,803	.2	1934	16,282
STRIPED BASS	8,606	.2	1961	9,495
SEA BASS, BLACK (ATLANTIC)	8,120	.2	1952	21,997
SABLEFISH	8,068	.2	1945	17,750
MUSSEL SHELLS	7,847	.2	1908	81,869
CHUBS	7,217	.2	1960	16,854
SHAD	7,087	.2	1890	43,000
HAKE, WHITE	6,917	.2	1898	39,900
BUTTERFISH	6,501	.1	1939	17,151
HERRING, LAKE	6,261	.1	1899	59,914
SWELLFISH	6,114	.1	1964	6,114
SPANISH MACKEREL	6,073	.1	1945	11,593
SMELT	5,360	.1	1958	13,303
SEA TROUT OR WEAKFISH, SPOTTED	5,334	.1	1936	8,800
LINGCOD	5,229	.1	1944	14,262
ANCHOVIES	5,049	.1	1953	86,044
KING WHITING OR "KINGFISH"	4,813	.1	1952	5,270
BLUEFISH	4,647	.1	5/ 1897	22,673
SEA TROUT OR WEAKFISH, GRAY	4,574	.1	1945	41,420
IRISH MOSS	4,495	.1	1961	6,995
HAKE, RED	4,386	.1	(4)	(4)
SHARKS	4,231	.1	1944	61,184
LOBSTERS, SPINY	4,088	.1	1957	4,687
KING MACKEREL	3,459	.1	1963	5,058
UNCLASSIFIED	82,205	1.8	-	-
TOTAL	4,540,622	100.0	-	-

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD. 2/ FIRST YEAR IN WHICH AN OYSTER SURVEY WAS MADE IN ALL REGIONS. 3/ SINCE DATA ARE NOT AVAILABLE ON THE POUNDAGE OF WHALES TAKEN, STATISTICS ON THE YIELD OF THESE MAMMALS REPRESENT THE WEIGHT OF THE WHALE PRODUCTS WHICH INCLUDES MEAL, MEAT, AND OIL. 4/ DATA NOT AVAILABLE. 5/ INCLUDES DATA ON NEW ENGLAND CATCH IN 1898.

U. S. CATCH

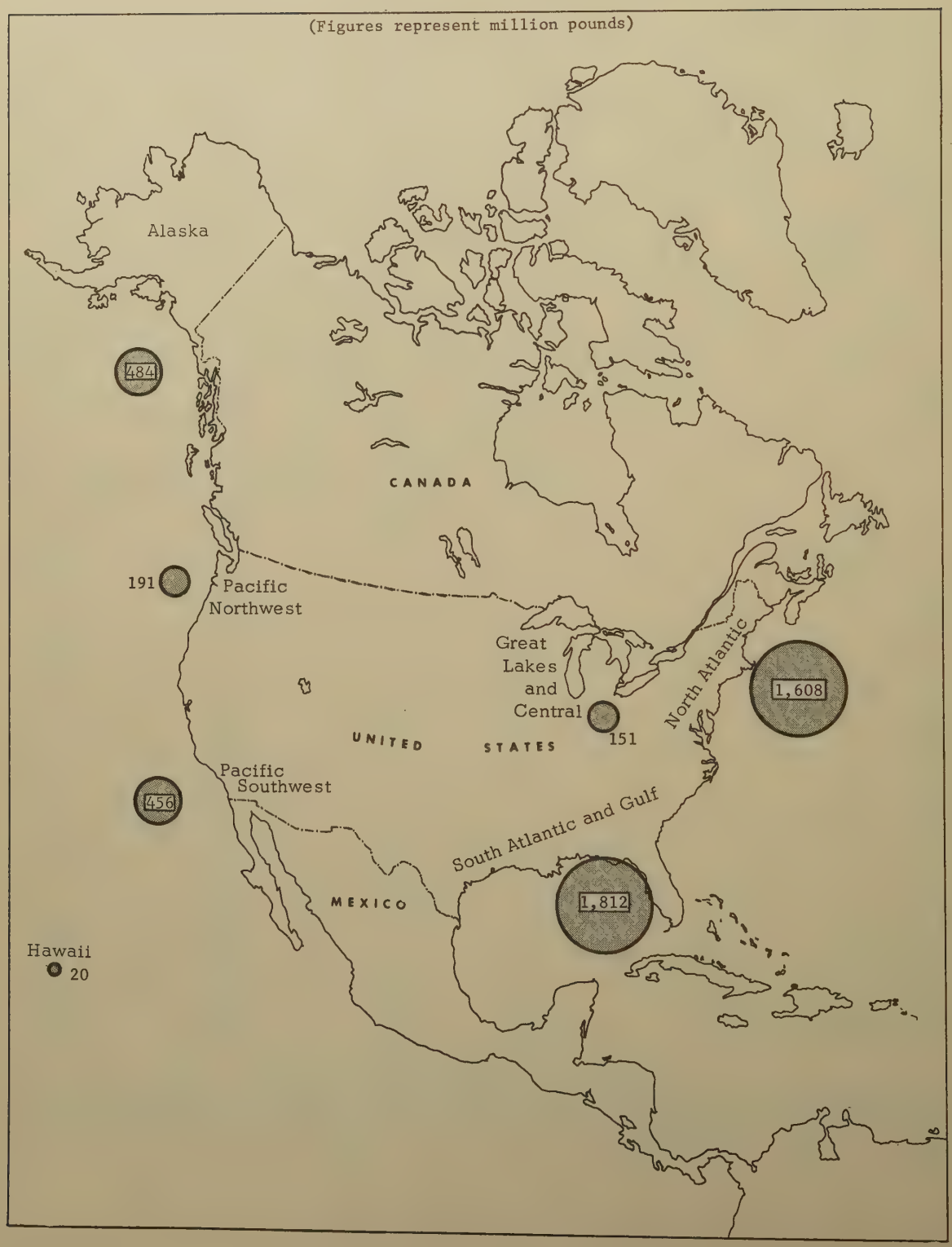
RELATIVE VALUE OF THE CATCH, BY SPECIES, 1964

SPECIES	VALUE	PERCENT OF TOTAL	RECORD VALUE AND YEAR	
	THOUSAND DOLLARS	PERCENT	YEAR	THOUSAND DOLLARS
SHRIMP	70,376	18.1	1953	76,641
SALMON	55,995	14.4	1962	56,353
TUNA	39,398	10.1	1950	61,342
OYSTERS	27,926	7.2	1961	33,204
CRABS	23,813	6.1	1964	23,813
MENHADEN	22,190	5.7	1956	28,425
LOBSTERS, NORTHERN	19,856	5.1	1964	19,856
FLOUNDERS	15,006	3.9	1963	15,411
CLAMS	14,890	3.8	1964	14,890
HADDOCK	11,845	3.0	1946	13,043
SCALLOPS, SEA	9,244	2.4	1959	11,805
CATFISH AND BULLHEADS	6,879	1.8	1964	6,879
HALIBUT, PACIFIC	5,923	1.5	1962	11,579
SNAPPER, RED	4,061	1.0	1964	4,061
OCEAN PERCH, ATLANTIC	3,781	1.0	1951	12,597
COD:				
ATLANTIC	2,669	.7	1948	4,742
PACIFIC	351	.1	1959	664
TOTAL	3,020	.8	-	-
SCUP OR PORGY	2,934	.8	1963	3,099
INDUSTRIAL FISH 1/	2,915	.7	1963	3,044
MULLET	2,351	.6	1945	4,647
HERRING, SEA:				
ATLANTIC	1,334	.4	1948	3,798
PACIFIC	891	.2	1947	2,152
TOTAL	2,225	.6	-	-
JACK MACKEREL	2,213	.6	1952	4,755
WHITING	2,067	.5	1951	2,903
BUFFALOFISH	1,953	.5	1952	3,564
LOBSTERS, SPINY	1,880	.5	1964	1,880
SCALLOPS, BAY	1,668	.4	1964	1,668
YELLOW PERCH	1,482	.4	1958	1,540
STRIPED BASS	1,380	.4	1959	1,436
SEA TROUT OR WEAKFISH, SPOTTED	1,378	.4	1952	1,781
CHUBS	1,157	.3	1958	2,564
SWORDFISH	1,150	.3	1946	1,435
CARP	1,028	.3	1951	2,007
SEA BASS, BLACK (ATLANTIC)	1,018	.3	1952	5,206
SPOT	1,014	.3	1964	1,014
ROCKFISHES	1,003	.3	1945	2,648
OCEAN PERCH, PACIFIC	999	.3	1963	1,172
GROUPERS	980	.3	1945	1,038
SHAD	975	.2	1945	2,680
ALEWIVES	920	.2	1964	920
WHITEFISH, COMMON	897	.2	1948	3,784
SABLEFISH	877	.2	1946	1,834
BLOODWORMS	804	.2	1964	804
WHALE PRODUCTS 2/	734	.2	(3)	(3)
MACKEREL, PACIFIC	666	.2	1957	1,231
POLLOCK	658	.2	1945	1,819
BUTTERFISH	632	.2	1962	1,005
ABALONE	574	.1	1963	626
BLUEFISH	572	.1	1951	760
CRAWFISH, FRESH-WATER	571	.1	1964	571
SPANISH MACKEREL	564	.1	1945	1,521
POMPANO	539	.1	1941	695
YELLOW PIKE	516	.1	1951	2,152
SQUID	512	.1	1947	1,370
SANDWORMS	512	.1	1963	526
SARDINE, PACIFIC	500	.1	1950	12,140
MUSSEL SHELLS	492	.1	(3)	(3)
SHEEPSHEAD, FRESH-WATER	442	.1	1951	929
KING MACKEREL	407	.1	1945	578
UNCLASSIFIED	9,136	2.3	-	-
TOTAL	389,498	100.0	-	-

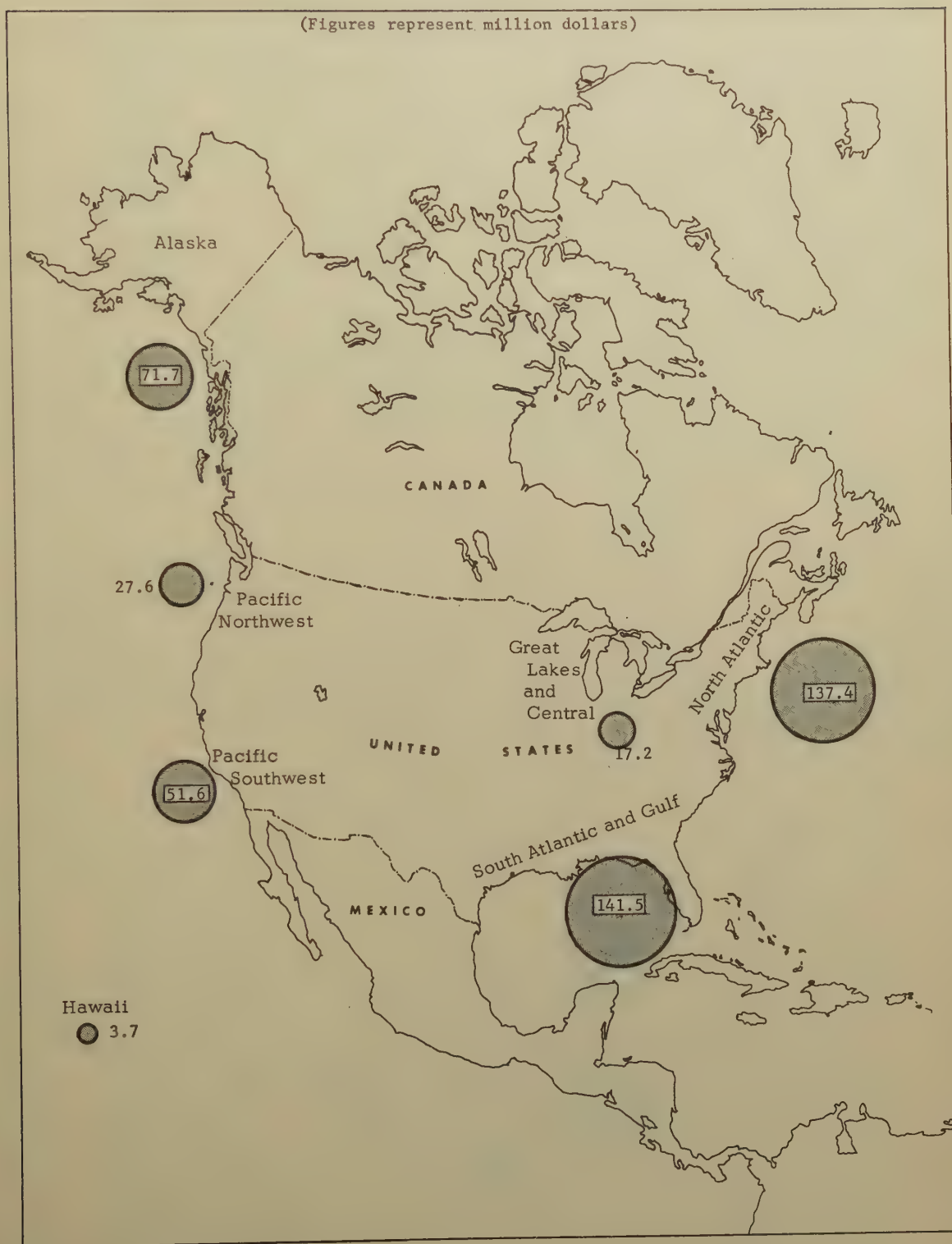
1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD. 2/ THE VALUE OF THE WHALE PRODUCTS REPRESENTS THE AMOUNT RECEIVED BY THE MANUFACTURER FOR THE PRODUCTION OF WHALE MEAL, MEAT, AND OIL. 3/ DATA NOT AVAILABLE.

U. S. CATCH

VOLUME OF CATCH BY REGIONS, 1965



VALUE OF CATCH BY REGIONS, 1965



U. S. CATCH

PRIBILOF ISLANDS SEALSKINS

TAKE OF PRIBILOF ISLANDS SEALSKINS, 1956-65

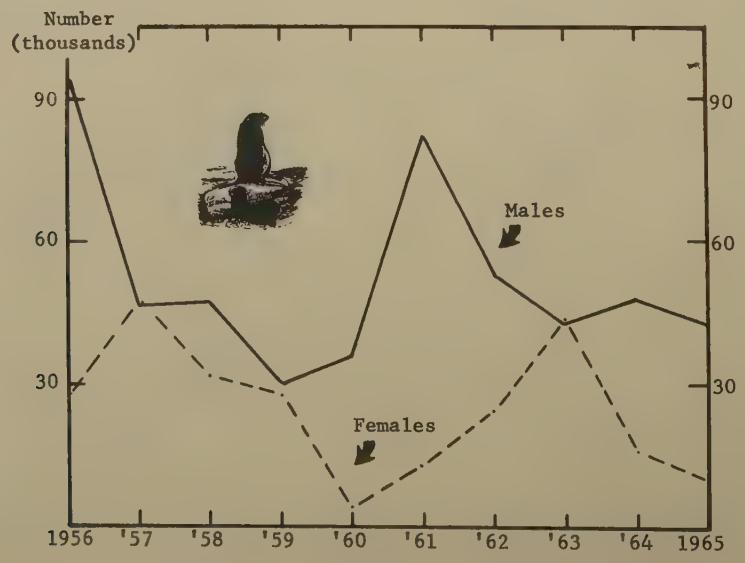
Year	Skins taken		
	Male	Female	Total
	Number	Number	Number
1956	95,849	26,977	122,826
1957	46,195	47,423	93,618
1958	47,860	31,059	78,919
1959	30,176	27,634	57,810
1960	36,320	4,296	40,616
1961	82,099	13,875	95,974
1962	53,460	24,455	77,915
1963	42,278	42,976	85,254
1964	48,223	15,986	64,209
1965	42,070	9,804	51,874

AVERAGE VALUE OF PRIBILOF ISLANDS SEALSKINS, 1957-65

Year	Dressed, dyed, machined, and finished				Sheared	
	Male		Female		Female	
	Spring Sale	Fall Sale	Spring Sale	Fall Sale	Spring Sale	Fall Sale
	(average value per skin)					
1957	$91.56	$68.90	-	-	-	-
1958	71.27	86.14	-	-	-	-
1959	99.75	103.23	-	-	-	-
1960	101.66	104.35	-	-	-	$36.05
1961	87.94	86.69	-	-	$11.99	41.05
1962	106.42	107.53	-	-	44.33	48.40
1963	122.52	1/111.72	-	(1)	43.09	40.63
1964	105.45	85.56	$71.16	$64.34	48.82	59.65
1965	116.36	2/103.78	89.21	(2)	47.68	60.80

1/ A total of 4,668 female skins were sold with the male skins.
2/ A total of 1,870 female skins were sold with the male skins.
Note:--The skins sold were taken several years prior to the date of sale.

TAKE OF PRIBILOF ISLANDS SEALSKINS, 1956-65



WHALING

WHALE CATCH, 1965

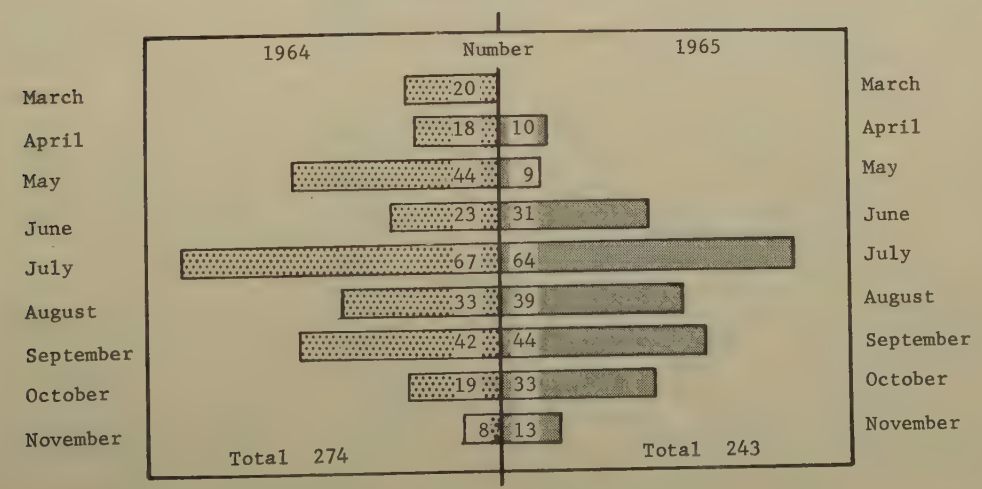
Month	Blue	Bottle-nose	Fin	Gray 1/	Hump-back	Sei	Sperm	Total
	Number	Number	Number	Number	Number	Number	Number	Number
April	-	-	3	-	1	-	6	10
May	-	-	3	-	-	-	6	9
June	-	-	10	-	1	3	17	31
July	-	-	40	-	2	16	6	64
August	-	-	34	-	-	1	4	39
September	3	-	24	-	-	1	16	44
October	1	2	-	-	-	1	29	33
November	-	-	-	-	-	-	13	13
Total, 1965	4	2	114	-	4	22	97	243
Total, 1964	2	1	147	20	27	13	64	274

1/ Gray whales were taken under a special scientific permit.

WHALE PRODUCTS, 1965

Item	Quantity	Value
	Thousand pounds	Thousand dollars
Meal	2,780	203
Meat	2,995	256
Oil:		
Sperm	1,106	78
Whale	1,607	119
Total, 1965	8,488	656
Total, 1964	11,009	734

WHALE CATCH, 1964-65



WORLD FISHERIES

The world commercial landings of fish, crustaceans, mollusks, etc., in 1964 was 113.8 billion pounds, according to the "Yearbook of Fishery Statistics, 1964" released by the Food and Agriculture Organization of the United Nations. The landings were 11 percent more than the 1963 production of 102.3 billion pounds and once again established a new record.

Five countries accounted for well over 50 percent of the 1964 world catch. Peru, with 17.7 percent, continued for the third successive year as world leader in total fishery landings--the result of phenomenal increases in the catch of industrial fish (anchoveta) used primarily for fish meal. Japan (12.3 percent) was in second place, followed by China (Mainland) with 11.2 percent. The U.S.S.R. was fourth (8.7 percent), and the United States, fifth (5.1 percent).

Asia accounted for 37 percent of the world landings, followed by South America (21 percent); Europe (19 percent); U.S.S.R. (9 percent); North America (8 percent); and Africa (6 percent). An insignificant percentage was taken in Oceania.

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1964
(Live weight basis)

Country	Billion pounds	Percent
Peru	20.13	17.7
Japan	13.97	12.3
China (Mainland)	1/12.79	11.2
U. S. S. R.	9.87	8.7
United States	2/ 5.84	5.1
Norway	3.55	3.1
India	2.91	2.6
Canada	2.67	2.4
Spain	2.64	2.3
Chile	2.56	2.3
United Kingdom	2.15	1.9
Iceland	2.14	1.9
Indonesia	3/ 2.06	1.8
Denmark	1.92	1.7
France	1.72	1.5
South West Africa	1.47	1.3
West Germany	1.38	1.2
Philippines	1.37	1.2
Portugal	1.33	1.2
South Africa	1.29	1.1
Thailand	1.27	1.1
Republic of Korea	1.16	1.0
Republic of Viet Nam	.88	.8
Netherlands	.85	.7
Brazil	4/ .84	.7
China (Taiwan)	.83	.7
Sweden	.82	.7
Burma	.79	.7
Angola	.78	.7
Pakistan	3/ .76	.7
Poland	.58	.5
Mexico	.57	.5
Italy	.56	.5
Malaysia	.53	.5
East Germany	.50	.4
Morocco	.45	.4
Cambodia	.36	.3
Argentina	.35	.3
Other	7.12	6.3
Total	113.76	100.0

1/ 1960 data. 2/ Revised (includes the weight of clam, oyster, scallop, and other mollusk shells totaling 1.3 billion pounds. The weight of these shells is not included in other U. S. catch statistics). 3/ 1963 data. 4/ 1962 data.
Source:--Yearbook of Fishery Statistics, 1964, Volume 18, Food and Agriculture Organization of the United Nations.

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY CONTINENTS, 1959 AND 1964
(Live weight basis)

Continent	1959	1964	Increase (1964 over 1959)
	Billion pounds	Billion pounds	Percent
Asia	35.05	41.89	20
South America	6.48	24.54	279
Europe	17.90	21.30	19
U. S. S. R.	6.06	9.88	63
North America	9.44	9.44	-
Africa	4.81	6.42	33
Oceania	.29	.29	-
Total	80.03	113.76	42

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY MAJOR FISHING AREAS, 1959 AND 1964
(Live weight basis)

Area	1959	1964	Increase (1964 over 1959)
	Billion pounds	Billion pounds	Percent
Marine areas:			
Pacific Ocean and adjacent areas	33.51	56.44	68
Atlantic Ocean and adjacent areas	31.97	39.90	25
Indian Ocean and adjacent areas	3.31	3.97	20
Total	68.79	100.31	46
Inland waters:			
Asia	7.72	9.48	23
U. S. S. R.	1.32	1.55	17
Africa	1.32	1.32	-
South America	.44	.44	-
Europe	.22	.44	100
North America	.22	.22	-
Oceania	(1)	(1)	-
Total	11.24	13.45	20
Grand Total	80.03	113.76	42

1/ Negligible.

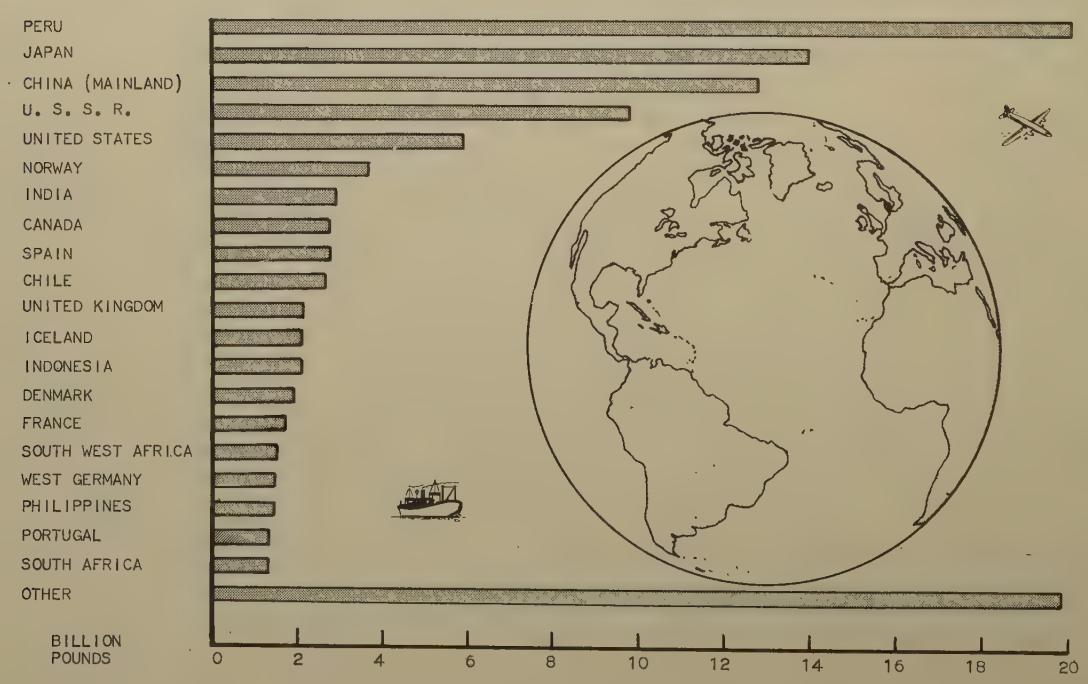
ESTIMATED USE OF THE WORLD CATCH, 1959 AND 1964
(Live weight basis)

Manner Used	1959	1964	Increase (1964 over 1959)
	Billion pounds	Billion pounds	Percent
Marketed fresh	33.95	38.36	13
Reduced to meal, oil, etc.	13.89	33.95	144
Cured	16.09	18.52	15
Frozen	6.61	11.02	67
Canned	7.28	9.70	33
Miscellaneous purposes	2.21	2.21	-
Total	80.03	113.76	42

WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY SPECIES GROUPS, 1959 AND 1964
(Live weight basis)

Species groups	1959	1964	Increase (1964 over 1959)
	Billion pounds	Billion pounds	Percent
Herrings, sardines, anchovies, etc.	19.80	40.94	107
Mixed and unidentified fishes	12.57	15.21	21
Cods, hakes, haddocks, etc.	10.32	13.36	29
Fresh-water fishes	10.82	12.87	19
Redfishes, basses, congers, etc.	5.25	6.59	26
Mollusks	5.14	5.75	12
Jacks, mullets, etc.	3.92	4.39	12
Mackerels, billfishes, cutlassfishes, etc.	2.07	2.95	43
Tunas, bonitos, skipjacks	2.34	2.89	24
Crustaceans	1.92	2.51	31
Flounders, halibuts, soles, etc.	1.94	2.20	13
Salmons, trouts, smelts	1.39	1.23	-12
Sharks, rays, chimaeras	.75	.84	12
Miscellaneous (turtles, frogs, aquatic plants, etc.)	.65	.79	22
River eels	.60	.75	25
Shads, milkfishes, etc.	.44	.35	-20
Sea cucumbers, sea urchins, ascidians, etc.	.08	.10	25
Sturgeons, paddlefishes	.03	.04	33
Total	80.03	113.76	42

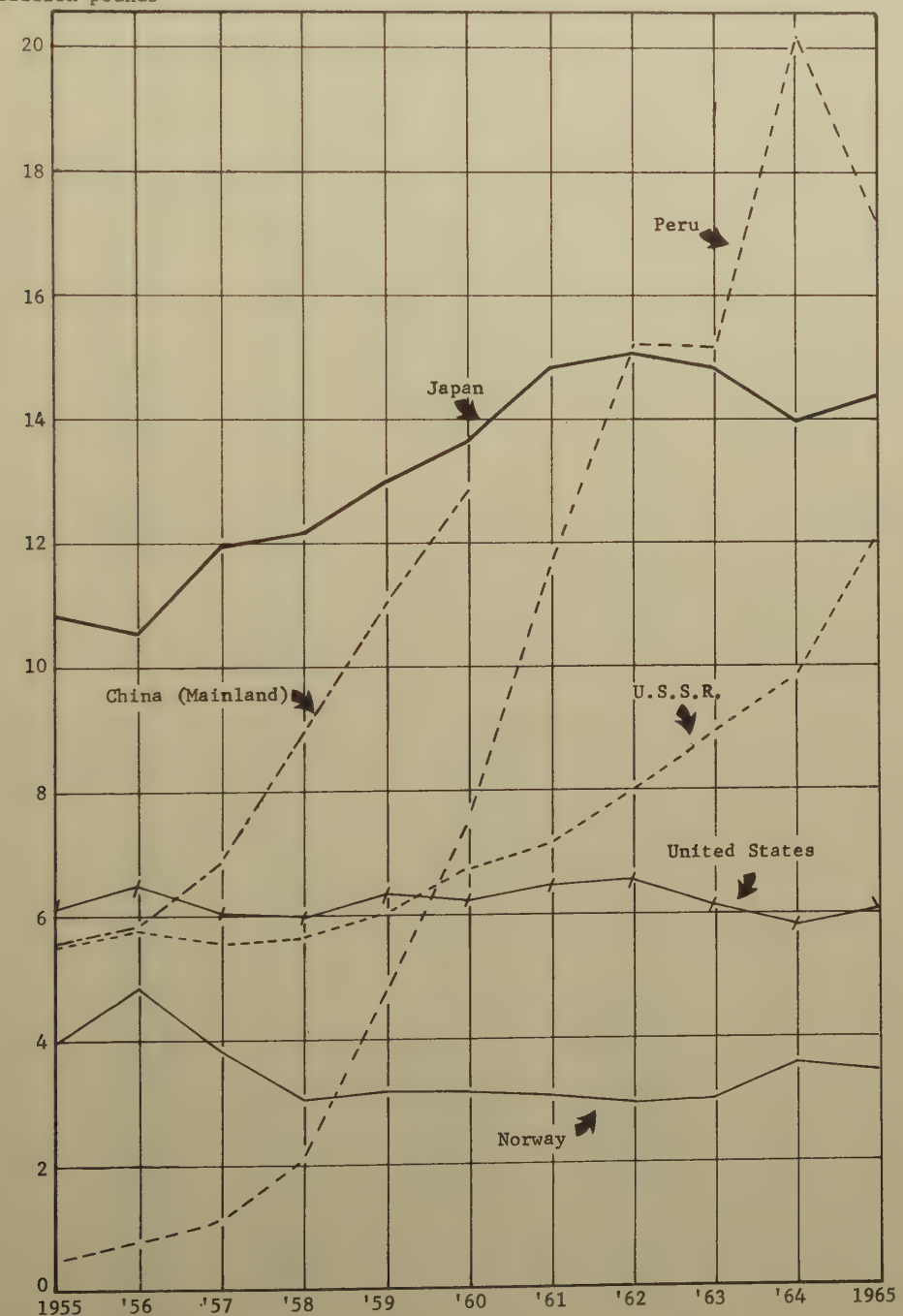
WORLD CATCH OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1964



LEADING FISHING NATIONS

Until 1957, the United States was second only to Japan in volume of catch of fishery products. Data submitted to the Food and Agriculture Organization of the United Nations by Mainland China for 1957 indicated that in that year, it had moved into second place. In 1960, both Peru and the U.S.S.R. also moved ahead of the United States.

WORLD CATCH OF FISH AND SHELLFISH, ETC., BY LEADING COUNTRIES, 1955-65



Note: Live weight basis.

PROCESSED FISHERY PRODUCTS

CANNED PACK

The 1965 pack of canned fishery products in the United States, American Samoa, and Puerto Rico amounted to 38.3 million standard cases (1.1 billion pounds) valued at $484.1 million to the packers. Compared with the pack in 1964, production was up 2.6 million cases and $47.4 million. The gain in production resulted mainly from a record pack of tuna and increases in the packs of Maine sardines, clam products, animal food, and shrimp. There were smaller packs of salmon, mackerel, Pacific sardines, and oysters.

PACK OF CERTAIN CANNED PRODUCTS, 1964-65

Item	Pounds per case	1964	1965	Record pack	
		Thousand standard cases	Thousand standard cases	Year	Thousand standard cases
Tuna	(1)	17,689	18,057	1965	18,057
Salmon	48	3,759	3,672	1936	8,965
Sardines:					
Maine	23.4	866	1,267	1950	3,844
Pacific	45	121	7	1950	5,071
Mackerel, jack and Pacific	45	1,071	708	1947	1,755
Crab meat	19.5	337	339	1963	377
Shrimp	6.75	1,443	2,315	1937	3,189
Clams:					
Whole and minced	15	579	612	1965	612
Chowder and juice	30	1,722	1,947	1965	1,947
Oysters	14	422	288	1937	760
Animal food and bait	48	7,364	7,904	1960	8,802
Other	Various	1,173	1,226	-	-
Total	-	36,546	38,342	-	-

1/ Solid, 21 pounds; chunk, 19.5 pounds; flakes and grated, 18 pounds.

PRODUCTION OF CANNED FISHERY PRODUCTS, VARIOUS YEARS, 1936-65

Year	For human consumption		For animal food and bait		Total
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand dollars
1936	756,593	93,759	12,980	805	94,564
1940	646,130	92,192	35,064	1,990	94,182
1948	718,665	329,210	63,543	6,971	336,181
1949	762,291	286,841	92,724	8,663	295,504
1950	*836,485	317,464	130,630	13,871	331,335
1951	687,999	289,534	112,410	11,676	301,210
1952	641,604	290,161	167,891	15,668	305,829
1953	605,894	289,526	186,300	17,348	306,874
1954	669,209	312,598	193,314	18,420	331,018
1955	586,755	274,967	256,941	28,198	303,165
1956	655,986	316,082	321,777	33,434	349,516
1957	639,965	300,750	347,637	35,079	335,829
1958	733,519	345,616	361,083	42,966	388,582
1959	622,150	310,262	346,985	37,989	348,251
1960	660,928	342,747	*422,490	44,848	387,595
1961	708,707	382,809	334,033	40,027	422,836
1962	756,816	410,198	376,408	46,683	456,881
1963	728,937	381,329	306,972	40,278	421,607
1964	742,114	391,026	353,452	45,634	436,660
1965	746,876	*434,414	379,377	*49,645	*484,059

*Record.

FISH MEAL, OIL, AND SOLUBLES

A total of 253,371 tons of fish meal was produced in the United States, American Samoa, and Puerto Rico in 1965. This was an increase of 8 percent compared with the 1964 production. Menhaden meal amounted to 175,838 tons.

Production of fish and fish liver oils in the United States, American Samoa, and Puerto Rico totaled 195.6 million pounds. Menhaden oil (175.4 million pounds) increased 17.6 million pounds over the 1964 production.

Production of fish solubles amounted to 98,017 tons--5 percent above the 1964 production of 93,296 tons.

PRODUCTION OF FISH MEAL, OIL, AND SOLUBLES, 1964-65

Product	1964	1965	Record	
			Year	Quantity
	Thousand tons	Thousand tons	Year	Thousand tons
Meal:				
Menhaden	160.3	175.8	1961	247.6
Herring	8.9	12.9	1937	20.5
Tuna and mackerel	21.1	25.4	1963	27.0
Unclassified	45.0	39.3	-	-
Total	235.3	253.4	1962	312.3
	Thousand pounds	Thousand pounds		Thousand pounds
Oil:				
Menhaden	157,730	175,368	1961	235,167
Herring	10,354	8,603	1937	42,172
Tuna and mackerel	4,816	4,799	1950	6,633
Unclassified	7,298	6,864	-	-
Total	180,198	195,634	1936	299,264
	Tons	Tons		Tons
Fish solubles	93,296	98,017	1959	136,662

PROCESSED FISHERY PRODUCTS

FROZEN FISH

The 1965 production of frozen fish and shellfish in the United States by firms reporting to the Bureau of Commercial Fisheries totaled 366.8 million pounds. Of this amount, salt-water fish comprised 43 percent; shellfish, 35 percent; bait and animal food from both fresh-water and salt-water fish, 21 percent; and fresh-water fish, 1 percent.

New England States accounted for 38 percent of the 1965 production followed by South Central States with 23 percent; Alaska, 13 percent; Pacific States, 12 percent; and South Atlantic States, 11 percent. The remaining 3 percent was frozen in the Middle Atlantic, North Central East and North Central West States.

Leading products frozen during 1965 were shrimp, 107.0 million pounds; bait and animal food, 76.2 million pounds; blocks, fillets, and steaks, 51.0 million pounds; headed and gutted whiting, 29.6 million pounds; and dressed halibut, 28.8 million pounds.

FREEZINGS AND HOLDINGS OF FISH AND SHELLFISH, 1964-65

Item	1964	1965	Record production	
	Thousand pounds	Thousand pounds	Year	Thousand pounds
Freezings:				
Leading items:				
Bait and animal food	57,194	76,204	1965	76,204
Blocks, fillets, and steaks:				
Ocean perch	19,282	21,265	1951	71,400
Haddock	12,795	12,930	1950	25,224
Other	18,178	16,907	-	-
Round, dressed, etc.:				
Halibut	24,762	28,832	1962	43,306
Whiting	27,396	29,606	1951	45,520
Salmon	16,885	14,107	1945	30,009
Other	33,645	36,978	-	-
Shellfish:				
Shrimp	106,857	106,979	1963	112,496
Other	15,290	22,973	-	-
Total all fishery products	332,284	366,781	1965	366,781
High month	(July) 51,095	(July) 53,535	-	-
Low month	(Feb.) 14,929	(Jan.) 14,183	-	-
Holdings:				
High month	(Jan.) 219,919	(Nov.) 232,107	-	-
Low month	(Apr.) 155,693	(Apr.) 136,945	-	-

FISH STICKS, PORTIONS, AND BREADED SHRIMP

PRODUCTION OF FISH STICKS AND PORTIONS, 1955-65

Year	Fish sticks		Fish portions	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
1955	63,046	28,886	(1)	(1)
1956	52,818	23,193	(1)	(1)
1957	53,128	23,544	(1)	(1)
1958	61,011	27,000	21,790	7,972
1959	60,378	28,611	37,147	13,138
1960	65,142	28,671	49,381	17,517
1961	69,824	30,100	59,847	22,192
1962	72,217	30,076	78,678	28,089
1963	79,302	31,590	94,644	33,980
1964	73,574	29,986	106,313	36,532
1965	*82,282	*35,701	*139,438	*55,657

1/ Data not available *Record.
Note:--A fish stick, generally cut from a block of fillets, is an elongated piece of breaded fish flesh weighing not less than 3/4 of an ounce and not more than 1-1/4 ounces with the largest dimension at least three times that of the next largest dimension. A fish portion, generally cut from a block of fillets, is a piece of fish flesh generally of uniform size with a thickness of 3/8 of an inch or more, and which does not conform to the definition of a fish stick.

PRODUCTION OF BREADED SHRIMP, 1955-65

Year	Breaded	
	Thousand pounds	Thousand dollars
1955	38,991	26,907
1956	50,888	37,301
1957	51,085	37,764
1958	60,865	43,622
1959	69.764	45,314
1960	70,348	47,015
1961	73,795	55,089
1962	76,803	62,230
1963	76,216	53,527
1964	91,333	63,388
1965	*97,186	*76,209

*Record.
Note:--Breaded shrimp are peeled shrimp coated with breading ingredients. The product may be identified as fantail (butterfly) and round with or without tail fins and last shell segments; and as portions, sticks, steaks, etc., when prepared from a composite unit of two or more shrimp pieces, whole shrimp or a combination of both without fins or shell.

PROCESSED FISHERY PRODUCTS

PACKAGED FISH

PRODUCTION OF PACKAGED FISH, 1965

Item	Fillets		Steaks		Total	
	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars	Thousand pounds	Thousand dollars
Fresh	84,793	34,935	253	106	85,046	35,041
Frozen	71,905	24,290	10,570	6,196	82,475	30,486
Total	156,698	59,225	10,823	6,302	167,521	65,527

INDUSTRIAL PRODUCTS

PRODUCTION OF INDUSTRIAL PRODUCTS, 1950-65

Year	Quantity			Value			
	Fish meal	Fish solubles 1/	Marine animal oil 2/	Fish meal, oil, and solubles	Shell products	Other industrial products	Grand total
	Tons	Tons	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars	Thousand dollars
1950	239,954	51,863	163,229	51,188	*17,253	8,747	77,188
1951	209,756	50,364	136,292	46,126	15,129	8,058	69,313
1952	221,403	70,482	120,708	42,533	14,703	10,756	67,992
1953	238,851	81,494	152,206	48,387	16,592	9,393	74,372
1954	256,967	115,030	163,985	56,151	17,024	9,252	82,427
1955	264,502	110,919	186,734	57,972	14,542	10,821	83,335
1956	295,793	128,829	201,500	*65,128	14,513	12,096	*91,737
1957	264,085	122,273	152,615	55,429	14,289	11,663	81,381
1958	248,140	130,177	165,210	55,610	11,361	12,912	79,883
1959	306,551	*165,359	187,334	59,061	9,325	13,830	82,216
1960	290,137	98,929	209,143	42,689	10,074	13,832	66,595
1961	311,265	112,254	258,118	51,781	9,362	13,426	74,569
1962	*312,259	124,649	250,075	53,209	8,557	13,911	75,677
1963	255,907	107,402	185,827	47,842	7,000	13,759	68,601
1964	235,352	93,296	180,198	46,998	6,192	16,721	69,911
1965	253,371	98,017	195,634	56,071	5,701	*20,081	81,853

1/ Includes homogenized condensed fish for 1950-63. 2/ Record production. 1936 (299.3 million pounds). *Record.

FOREIGN TRADE

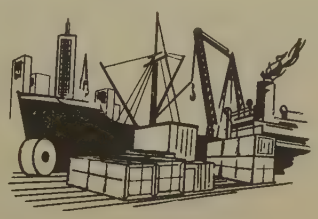
U. S. IMPORTS

IMPORTANT FISHERY IMPORTS, 1964-65

Item		1964	1965	5-year average 1959-1963
		Quantity	Quantity	Quantity
Edible fishery products:				
Fresh and frozen:				
Fillets:				
Groundfish and ocean perch.	1,000 pounds	80,403	80,147	79,658
Blocks and slabs.	do	166,166	214,807	118,076
Total	do	246,569	294,954	197,734
Other	do	73,554	74,839	67,799
Halibut	do	22,567	21,726	23,416
Salmon.	do	8,818	7,861	12,823
Tuna:				
Albacore.	do	149,671	167,400	96,363
Other	do	171,667	159,929	168,313
Loins and discs	do	14,918	12,033	9,172
Sea scallop (meats)	do	16,108	16,283	9,108
Lobsters:				
Common (includes fresh-cooked meat).	do	20,386	18,601	21,457
Spiny	do	35,104	37,811	32,609
Shrimp (mostly frozen, some canned and dried)	do	154,577	163,088	127,791
Canned:				
Salmon.	do	236	101	13,105
Sardines:				
In oil.	do	20,034	21,532	24,555
Not in oil.	do	24,602	23,537	12,749
Tuna:				
In oil.	do	201	211	488
In brine.	do	54,446	50,751	55,665
Bonito and yellowtail:				
In oil.	do	3,050	2,046	6,649
In brine.	do	1,940	1,889	3,026
Crab meat	do	4,508	4,151	4,970
Lobsters:				
Common.	do	2,817	2,919	2,598
Spiny	do	193	167	635
Oysters (mostly canned) . . .	do	7,969	8,638	7,394
Nonedible fishery products:				
Scrap and meal.	tons	439,143	270,666	220,192
Solubles.	do	4,505	5,138	10,018
Whale oil, sperm.	1,000 pounds	58,874	77,105	51,988

Note:--The data include imports into U. S. territories and possessions and landings of tuna by foreign vessels in American Samoa.

Source:--Department of Commerce, Bureau of the Census.



FOREIGN TRADE

U. S. IMPORTS

IMPORTS OF SHRIMP, VARIOUS YEARS, 1940-65

Country of Origin	1940	1950	1960	1964	1965
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
North America:					
Mexico	4,913	39,653	73,583	72,122	59,937
Panama	-	143	8,423	12,122	10,264
El Salvador	-	-	6,697	6,296	5,376
Guatemala	-	-	257	2,207	1,515
Nicaragua	-	-	266	2,520	3,154
Costa Rica	-	-	461	1,976	1,753
Honduras	-	-	361	698	1,632
Canada	22	89	332	198	344
British Honduras	-	-	1	5	-
Canal Zone	-	148	-	125	181
Other	-	25	378	1,604	2,108
Total	4,935	40,058	90,759	99,873	86,264
South America:					
Venezuela	-	-	343	7,904	12,719
Ecuador	-	-	4,192	5,759	5,667
British Guiana	-	-	3,568	5,502	7,972
French Guiana	-	-	-	2,961	3,960
Colombia	-	-	2,174	1,774	1,796
Surinam	-	-	381	1,323	1,409
Chile	-	-	739	195	362
Peru	-	-	256	308	446
Brazil	-	-	43	34	473
Argentina	-	-	64	-	-
Total	-	-	11,760	25,760	34,804
Europe:					
Spain	-	-	225	536	389
Denmark	-	-	81	67	51
Norway	2	69	110	55	39
Iceland	-	(1)	92	2	5
United Kingdom	-	(1)	1	38	1
Italy	-	3	-	-	-
Other	22	5	8	81	215
Total	24	77	517	779	700
Asia:					
India	-	-	2,892	10,232	14,276
Japan	55	58	2,947	2,891	2,506
Pakistan	-	-	1,018	4,812	6,566
Republic of Korea	-	-	93	1,294	934
Iran	-	-	1,226	682	6,801
Hong Kong	4	-	3	27	67
Thailand	-	-	40	573	954
Other	6	5	340	6,131	8,389
Total	65	63	8,559	26,642	40,493
Australia and Oceania	-	(1)	155	133	164
Africa	-	-	1,668	1,390	663
Grand total	5,024	40,198	113,418	154,577	163,088

1/ Less than 500 pounds.
Source: Department of Commerce, Bureau of the Census.

U. S. IMPORTS

IMPORTS OF SHRIMP BY PRODUCT TYPES, 1963-65

Item	1963 1/			Total 1964	Total 1965
	January-August	September-December	Total		
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Shell-on (headless)	62,703	49,014	111,717	112,149	114,324
Canned	2,816	1,304	4,120	3,004	2,248
Peeled, raw	20,281	9,179	29,460	27,385	31,961
Peeled, cooked	1,740	807	2,547	2,585	2,883
Breaded	357	127	484	508	778
Cured (dried)	191	88	279	404	407
Other	1,998	925	2,923	2/8,542	3/10,487
Total	90,086	61,444	151,530	154,577	163,088

1/ Imports of peeled raw, cooked, canned, and dried shrimp for the January-August period were computed on the basis of quantities reported for the September-December period. 2/ Estimated to include 4.8 million pounds of headless and 1.2 million pounds of raw peeled shrimp. 3/ Estimated to include 6.7 million pounds of headless and 1.8 million pounds of raw peeled shrimp.
Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH MEAL AND SCRAP BY COUNTRY OF ORIGIN, VARIOUS YEARS, 1950-65

Country of origin	1950	1960	1962	1963	1964	1965
	Tons	Tons	Tons	Tons	Tons	Tons
Angola	6,503	888	-	691	1,944	2,471
Canada	42,499	30,982	42,806	50,985	54,769	43,830
Chile	377	21,183	9,247	23,567	12,942	5,651
Peru	3,917	68,156	186,249	285,414	348,025	209,801
Republic of South Africa	825	7,073	10,084	12,296	18,581	5,100
Other countries	9,734	3,279	3,921	3,368	2,882	3,813
Total	63,855	131,561	252,307	376,321	439,143	270,666

Source:--Department of Commerce, Bureau of the Census.

IMPORTS OF FISH SOLUBLES BY COUNTRY OF ORIGIN, VARIOUS YEARS, 1958-65

Country of origin	1958	1960	1962	1963	1964	1965
	Tons	Tons	Tons	Tons	Tons	Tons
Canada	2,699	869	1,335	2,235	1,632	1,488
Denmark	9,943	1,858	110	-	385	825
Iceland	738	-	2,332	160	-	-
Republic of South Africa	1,063	402	1,717	511	987	-
Other countries	124	45	814	4,206	1,501	2,825
Total	14,567	3,174	6,308	7,112	4,505	5,138

Source:--Department of Commerce, Bureau of the Census.

FOREIGN TRADE

U. S. IMPORTS

QUOTA AND IMPORTS OF CANNED TUNA, 1956-65

Year	Quota 1/	Imports		
		In brine		In oil
		Under Quota 2/	Over Quota 3/	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1956 4/	28,757	27,783	-	586
1957	44,529	42,524	-	1,068
1958	44,694	44,694	752	758
1959	52,373	52,373	2,931	830
1960	53,448	50,322	-	596
1961	57,115	56,210	-	431
1962	59,059	54,379	-	358
1963	63,131	56,414	-	224
1964	60,912	52,931	-	201
1965	66,059	49,204	-	211

1/ Twenty percent of previous year's domestic pack excluding American Samoa.
2/ Dutiable at 12-1/2 percent ad valorem.
3/ Dutiable at 25 percent ad valorem.
4/ From close of business on April 14 through December 31, 1956.

Source:--Department of Treasury, Bureau of Customs - Quota and imports in brine. (Bureau of Customs data on imports in brine will not agree with Bureau of the Census data appearing in other tables in this report.)
Department of Commerce, Bureau of the Census - Imports in oil.

IMPORTS OF FISHERY PRODUCTS, 1950-65

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
1950	639,725	158,414	39,882	198,296
1951	646,668	158,363	54,094	212,457
1952	705,118	183,121	57,308	240,429
1953	726,195	195,869	49,611	245,480
1954	804,054	203,722	48,687	252,409
1955	780,185	208,973	49,896	258,869
1956	801,655	234,699	48,031	282,730
1957	900,227	252,788	46,487	299,275
1958	1,020,326	283,822	46,959	330,781
1959	1,141,114	314,650	55,467	370,117
1960	1,095,014	310,596	52,685	363,281
1961	1,087,175	339,318	61,301	400,619
1962	1,255,532	405,832	83,975	489,807
1963	1,196,977	399,928	100,784	500,712
1964	1,318,099	433,674	130,569	564,243
1965	*1,394,828	*477,396	*121,492	*598,888

*Record.
Source:--Department of Commerce, Bureau of the Census.

U. S. IMPORTS

VALUE OF U.S. IMPORTS OF EDIBLE FISHERY PRODUCTS, BY CONTINENT AND COUNTRY OF ORIGIN, 1964

Continent and country of origin	Thousand dollars	Percent
North America:		
Canada	123,504	28.48
Mexico	60,691	13.99
Panama	8,586	1.98
El Salvador	3,920	.90
Other	13,514	3.12
Total	210,215	48.47
South America:		
Ecuador	6,336	1.46
Venezuela	4,516	1.04
British Guiana	4,023	.93
Peru	3,980	.92
Other	9,108	2.10
Total	27,963	6.45
Europe:		
Iceland	16,407	3.78
Norway	13,741	3.17
Portugal	5,847	1.35
Spain	5,497	1.27
Denmark	3,777	.87
Other	6,584	1.52
Total	51,853	11.96
Asia:		
Japan	78,667	18.14
India	6,208	1.43
Kuwait	3,539	.81
Other	10,526	2.43
Total	98,940	22.81
Australia and Oceania:		
Australia	12,268	2.83
New Zealand	4,088	.94
Other	1,289	.30
Total	17,645	4.07
Africa:		
Republic of South Africa	20,847	4.81
Other	6,211	1.43
Total	27,058	6.24
Grand total	433,674	100.00

Source:--Department of Commerce, Bureau of the Census.

U. S. IMPORTS

U.S. IMPORTS OF EDIBLE FISHERY PRODUCTS, BY CONTINENT AND COUNTRY OF ORIGIN, 1964

Continent and country of origin	Thousand pounds	Percent
North America:		
Canada	459,269	34.84
Mexico	93,207	7.07
Trinidad	19,015	1.44
Panama	12,459	.95
Greenland	7,327	.55
El Salvador	6,298	.48
Costa Rica	3,158	.24
Other	13,518	1.03
Total	614,251	46.60
South America:		
Peru	31,428	2.39
Ecuador	18,165	1.38
Venezuela	8,086	.62
British Guiana	5,513	.42
Other	11,255	.86
Total	74,447	5.67
Europe:		
Iceland	66,875	5.07
Norway	44,119	3.35
Spain	19,918	1.51
Portugal	11,046	.84
Denmark	10,508	.80
West Germany	7,959	.60
United Kingdom	5,776	.44
France	4,804	.36
Other	6,235	.47
Total	177,240	13.44
Asia:		
Japan	307,939	23.36
India	10,948	.83
Malaysia	8,680	.66
Taiwan	5,925	.45
Kuwait	5,358	.40
Pakistan	4,924	.37
Other	8,012	.61
Total	351,786	26.68
Australia and Oceania:		
Australia	12,171	.92
British Western Pacific Islands	4,556	.35
Other	6,362	.48
Total	23,089	1.75
Africa:		
Republic of South Africa	37,770	2.86
Sierra Leone	11,638	.88
Ivory Coast	11,337	.86
Canary Islands	9,965	.76
Other	6,576	.50
Total	77,286	5.86
Grand total	1,318,099	100.00

Source:--Department of Commerce, Bureau of the Census.

U. S. EXPORTS

IMPORTANT DOMESTIC FISHERY EXPORTS, 1964-65

Item	1964	1965	5-year average 1959-1963
	Thousand pounds	Thousand pounds	Thousand pounds
Fresh and frozen:			
Salmon	22,560	10,559	2,361
Shrimp	7,852	6,837	4,277
Canned:			
Mackerel	8,588	2,174	3,034
Salmon	20,924	24,892	10,428
Sardines	3,265	3,376	15,802
Shrimp	3,692	4,510	2,854
Squid	7,005	11,911	7,190
Fish oils, unclassified	151,469	103,807	159,204

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FISHERY PRODUCTS, VARIOUS YEARS, 1940-65

Year	Edible		Nonedible	Total
	Thousand pounds	Thousand dollars	Thousand dollars	Thousand dollars
1940	144,804	17,115	670	17,785
1945	135,979	30,855	7,655	38,510
1950	121,623	18,856	8,618	27,474
1951	165,624	27,072	8,659	35,731
1952	62,056	15,511	6,436	21,947
1953	69,308	17,084	10,794	27,878
1954	62,724	16,238	15,289	31,527
1955	109,750	24,923	15,054	39,977
1956	101,918	22,939	16,564	39,503
1957	85,221	20,549	15,403	35,952
1958	65,468	19,440	11,564	31,004
1959	80,688	26,747	17,495	44,242
1960	61,454	25,622	18,543	44,165
1961	40,137	19,594	15,116	34,710
1962	56,530	22,470	13,258	35,728
1963	64,745	30,376	26,229	56,605
1964	94,835	42,878	21,326	64,204
1965	96,444	49,308	20,175	69,483

Source:--Department of Commerce, Bureau of the Census.

FOREIGN TRADE

U. S. EXPORTS

EXPORTS OF DOMESTIC AND FOREIGN SHRIMP PRODUCTS, 1961-65

Item	1961	1962	1963	1964	1965
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Fresh and frozen:					
Domestic	4,771	3,457	8,078	7,852	6,837
Foreign	4,742	1,992	5,733	7,253	6,013
Total	9,513	5,449	13,811	15,105	12,850
Canned:					
Domestic	2,503	2,212	3,199	3,692	4,510
Foreign	25	44	33	25	34
Total	2,528	2,256	3,232	3,717	4,544
Cured:					
Domestic	103	72	80	157	(1)
Foreign	336	101	2	6	(1)
Total	439	173	82	163	(1)
Total:					
Domestic	7,377	5,741	11,357	11,701	11,347
Foreign	5,103	2,137	5,768	7,284	6,047
Total	12,480	7,878	17,125	18,985	17,394

1/ Not available. Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC FISH AND FISH LIVER OILS, 1961-65

Country of destination	1961	1962	1963	1964	1965
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Belgium	1,354	3,329	33	-	-
Canada	16,935	10,555	8,177	481	1,438
Denmark	-	-	-	4,586	-
Netherlands	25,587	34,054	25,847	31,452	17,905
Norway	31,277	10,020	23,744	11,499	4,519
Sweden	20,641	13,446	73,559	70,948	45,186
United Kingdom	8,908	32,975	86,709	2,284	12,254
West Germany	15,591	16,920	39,456	25,832	12,436
Other countries	2,193	1,751	4,817	4,387	10,069
Total	122,486	123,050	262,342	151,469	103,807

Source:--Department of Commerce, Bureau of the Census.

EXPORTS OF DOMESTIC SARDINES, VARIOUS YEARS, 1960-65

Country of destination	1960	1961	1963	1964	1965
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
Belgium	316	142	-	120	23
Canada	-	131	-	62	1,813
Cuba	704	-	-	-	-
Ecuador	1,623	436	20	211	75
Ghana	220	36	46	-	1
Greece	3	-	23	-	-
Hong Kong	387	190	20	70	-
Malaysia	95	370	-	-	5
New Zealand	1,420	188	-	-	43
Philippines	12,446	1,974	13	298	10
Congo	-	-	465	-	-
United Kingdom	31	-	30	-	2
Other countries	3,974	4,193	3,022	2,504	1,404
Total	21,219	7,660	3,639	3,265	3,376

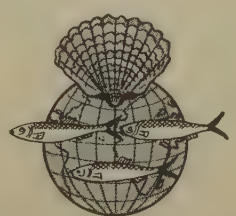
Source:--Department of Commerce, Bureau of the Census.

U. S. EXPORTS

VALUE OF U.S. EXPORTS OF FISHERY PRODUCTS, BY CONTINENT AND COUNTRY OF DESTINATION, 1964

Continent and country of destination	Thousand dollars	Percent
North America:		
Canada	10,433	16.25
Mexico	417	.65
El Salvador	357	.56
Other	1,801	2.80
Total	13,008	20.26
South America:		
Venezuela	239	.37
Other	216	.34
Total	455	.71
Europe:		
United Kingdom	15,102	23.52
Sweden	6,425	10.01
Netherlands	4,879	7.60
West Germany	3,146	4.90
France	2,325	3.62
Switzerland	1,283	2.00
Belgium	1,116	1.74
Norway	1,064	1.66
Denmark	1,052	1.64
Other	1,660	2.58
Total	38,052	59.27
Asia:		
Japan	9,200	14.33
Philippines	1,043	1.62
Hong Kong	603	.94
Other	748	1.17
Total	11,594	18.06
Australia and Oceania:		
Australia	427	.67
New Zealand	150	.23
Other	168	.26
Total	745	1.16
Africa:		
Republic of South Africa	117	.18
Zambia	70	.11
Other	163	.25
Total	350	.54
Grand total	64,204	100.00

Source:--Department of Commerce, Bureau of the Census.



FOREIGN TRADE

U. S. EXPORTS

U.S. EXPORTS OF EDIBLE FISHERY PRODUCTS, BY CONTINENT AND COUNTRY OF DESTINATION, 1964

Continent and country of destination	Thousand pounds	Percent
North America:		
Canada	16,545	17.44
El Salvador	1,677	1.77
Dominican Republic	947	1.00
Jamaica	870	.92
Nicaragua	589	.62
Netherlands Antilles	464	.49
Other	2,099	2.21
Total	23,191	24.45
South America:		
Venezuela	303	.32
Ecuador	214	.23
Other	266	.28
Total	783	.83
Europe:		
United Kingdom	19,235	20.28
Greece	4,666	4.92
France	3,464	3.65
Netherlands	3,191	3.37
Belgium	2,091	2.21
Denmark	665	.70
Sweden	543	.57
West Germany	538	.57
Other	1,113	1.17
Total	35,506	37.44
Asia:		
Japan	22,347	23.57
Philippines	7,485	7.89
Hong Kong	1,102	1.16
Other	1,092	1.15
Total	32,026	33.77
Australia and Oceania:		
New Zealand	1,050	1.11
Australia	982	1.03
Other	739	.78
Total	2,771	2.92
Africa:		
Liberia	125	.13
Republic of South Africa	118	.13
Other	315	.33
Total	558	.59
Grand total	94,835	100.00

Source:--Department of Commerce, Bureau of the Census.

SUPPLY OF FISHERY PRODUCTS, 1955-65

(Round weight basis

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1955	4,809	67.5	2,312	32.5	7,121
1956	5,268	69.6	2,301	30.4	7,569
1957	4,789	66.8	2,375	33.2	7,164
1958	4,747	63.1	2,779	36.9	7,526
1959	5,122	60.5	3,338	39.5	8,460
1960	4,942	60.1	3,281	39.9	8,223
1961	5,187	54.2	4,383	45.8	9,570
1962	*5,354	51.4	5,054	48.6	10,408
1963	4,847	42.4	6,587	57.6	11,434
1964	4,541	37.8	*7,480	62.2	*12,021
1965	4,722	45.1	5,745	54.9	10,467

1/ Excludes imports of cured cod into Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record.

SUPPLY OF EDIBLE FISHERY PRODUCTS, 1955-65

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1955	2,579	65.9	1,332	34.1	3,911
1956	2,690	65.8	1,401	34.2	4,091
1957	2,475	61.4	1,557	38.6	4,032
1958	2,651	61.5	1,663	38.5	4,314
1959	2,369	55.5	1,901	44.5	4,270
1960	2,498	58.6	1,766	41.4	4,264
1961	2,490	57.4	1,845	42.6	4,335
1962	2,540	54.6	2,115	45.4	4,655
1963	2,556	53.2	2,247	46.8	4,803
1964	2,497	51.3	2,366	48.7	4,863
1965	2,546	49.8	*2,563	50.2	*5,109

1/ Excludes imports of cured cod into Puerto Rico, but includes landings of foreign-caught tuna in American Samoa. *Record. (The record domestic catch of edible fishery products amounting to 3,307 million pounds was landed in 1950.)

SUPPLY OF INDUSTRIAL FISHERY PRODUCTS, 1955-65

(Round weight basis)

Year	Domestic catch		Imports 1/		Total
	Million pounds	Percent	Million pounds	Percent	Million pounds
1955	2,230	69.5	980	30.5	3,210
1956	2,578	74.1	900	25.9	3,478
1957	2,314	73.9	818	26.1	3,132
1958	2,096	65.3	1,116	34.7	3,212
1959	2,753	65.7	1,437	34.3	4,190
1960	2,444	61.7	1,515	38.3	3,959
1961	2,697	51.5	2,538	48.5	5,235
1962	*2,814	48.9	2,939	51.1	5,753
1963	2,291	34.5	4,340	65.5	6,631
1964	2,044	28.6	*5,114	71.4	*7,158
1965	2,176	40.6	3,182	59.4	5,358

*Record.

Note:--The weights of the domestic catch and imports represent the live (round) weight of all items except univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.) which are shown in the weight of meats, excluding the shell.

SUPPLY OF FISHERY PRODUCTS

SUPPLY OF GROUNDFISH AND ATLANTIC OCEAN PERCH FILLETS, 1955-65

Year	U. S. production		Imports 1/		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1955	105,157	45.0	128,312	55.0	233,469
1956	107,138	44.2	135,295	55.8	242,433
1957	96,650	40.7	140,678	59.3	237,328
1958	99,074	40.3	146,589	59.7	245,663
1959	91,133	33.0	184,837	67.0	275,970
1960	93,818	37.6	155,550	62.4	249,368
1961	93,039	32.3	195,099	67.7	288,138
1962	93,625	29.7	221,420	70.3	315,045
1963	83,419	26.5	231,768	73.5	315,187
1964	75,166	23.4	246,569	76.6	321,735
1965	76,961	20.7	*294,954	79.3	*371,915

1/ Includes imports of frozen blocks of groundfish. *Record. (The record U. S. production amounted to 148,786,000 pounds in 1951).

SUPPLY OF FILLETS, STEAKS, ETC., OTHER THAN GROUNDFISH AND ATLANTIC OCEAN PERCH, 1955-65

Year	U. S. production		Imports		Total
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1955	51,922	48.4	55,223	51.6	107,145
1956	55,661	48.0	60,274	52.0	115,935
1957	57,815	47.7	63,300	52.3	121,115
1958	56,801	47.5	62,688	52.5	119,489
1959	56,104	46.4	64,802	53.6	120,906
1960	59,348	49.0	61,713	51.0	121,061
1961	65,073	49.2	67,167	50.8	132,240
1962	76,361	50.0	*76,443	50.0	152,804
1963	82,565	54.5	68,869	45.5	151,434
1964	85,955	53.9	73,554	46.1	159,509
1965	*90,560	54.8	74,839	45.2	*165,359

*Record.

SUPPLY OF CANNED SALMON, 1955-65

Year	U. S. pack 1/	Percent of total supply	Imports	Percent of total supply	Total supply	Exports	Total available for U. S. consumption
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds
1955	157,855	91.4	14,644	8.6	172,499	10,429	162,070
1956	168,250	85.4	28,802	14.6	197,052	5,213	191,839
1957	153,917	86.3	24,401	13.7	178,318	6,688	171,630
1958	179,134	86.0	29,226	14.0	208,360	9,227	199,133
1959	118,330	79.2	31,154	20.8	149,484	13,826	135,658
1960	136,049	87.7	19,113	12.3	155,162	11,924	143,238
1961	177,443	96.1	7,167	3.9	184,610	7,186	177,424
1962	182,435	96.4	6,843	3.6	189,278	8,978	180,300
1963	158,153	99.2	1,250	.8	159,403	10,228	149,175
1964	180,442	99.9	236	.1	180,678	20,924	159,754
1965	176,277	99.9	101	.1	176,378	24,892	151,486

1/ Record pack, 1936 (430,328,496 pounds).

SUPPLY OF CANNED TUNA, VARIOUS YEARS, 1940-65

(Canned weight)

Year	U. S. pack from domestic catch 1/		U. S. pack from imported fresh and frozen tuna 2/		Total	Imported canned		Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1940 . . .	80,389	89.8	1,455	1.6	81,844	3/ 7,678	8.6	89,522
1947 . . .	107,446	93.7	1,060	.9	108,506	3/ 6,148	5.4	114,654
1948 . . .	129,554	92.2	2,603	1.9	132,157	3/ 8,302	5.9	140,459
1949 . . .	134,032	93.6	4,613	3.2	138,645	4,584	3.2	143,229
1950 . . .	152,693	72.6	20,769	9.9	173,462	36,791	17.5	210,253
1951 . . .	125,816	74.7	29,549	17.6	155,365	12,971	7.7	168,336
1952 . . .	140,200	70.6	34,951	17.6	175,151	23,321	11.8	198,472
1953 . . .	135,908	61.8	49,570	22.5	185,478	34,592	15.7	220,070
1954 . . .	148,861	60.9	64,147	26.2	213,008	31,589	12.9	244,597
1955 . . .	113,647	49.0	82,765	35.7	196,412	35,563	15.3	231,975
1956 . . .	152,701	57.0	76,744	28.7	229,445	38,215	14.3	267,660
1957 . . .	140,196	50.6	92,260	33.3	232,456	44,386	16.1	276,842
1958 . . .	149,810	46.3	127,321	39.4	277,131	46,204	14.3	323,335
1959 . . .	132,159	39.1	150.033	44.3	282,192	56,134	16.6	338,326
1960 . . .	149,325	42.3	152,063	43.1	301,388	51,755	14.6	353,143
1961 . . .	*174,144	47.2	136,468	36.9	310,612	*58,663	15.9	369,275
1962 . . .	155,555	39.6	179,951	45.9	335,506	56,719	14.5	392,225
1963 . . .	168,474	43.8	158,238	41.2	326,712	57,494	15.0	384,206
1964 . . .	163,759	40.5	186,075	46.0	349,834	54,647	13.5	404,481
1965 . . .	169,755	41.5	*187,900	46.0	*357,655	50,962	12.5	*408,617

1/ Includes the pack from the U. S. catch landed in Puerto Rico. 2/ Includes tuna canned in American Samoa. 3/ Includes bonito and yellowtail. *Record.

SUPPLY OF CANNED BONITO AND YELLOWTAIL, VARIOUS YEARS, 1940-65

Year	U. S. pack		Imports				Total supply
			In oil	In brine	Total		
	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1940 . . .	4,049	(1)	(2)	(2)	(2)	(1)	(1)
1949 . . .	3,056	27.5	3/ 8,054	(3)	8,054	72.5	11,110
1950 . . .	1,332	14.1	3/ 8,135	(3)	8,135	85.9	9,467
1951 . . .	1,961	15.8	3/10,437	(3)	10,437	84.2	12,398
1952 . . .	4,266	23.6	3/13,812	(3)	13,812	76.4	18,078
1953 . . .	3,226	24.0	3/10,242	(3)	10,242	76.0	13,468
1954 . . .	1,446	8.6	12,996	2,375	15,371	91.4	16,817
1955 . . .	88	.6	11,725	3,589	15,314	99.4	15,402
1956 . . .	125	.9	10,409	3,210	13,619	99.1	13,744
1957 . . .	220	1.4	11,608	3,905	15,513	98.6	15,733
1958 . . .	2,107	14.4	9,759	2,732	12,491	85.6	14,598
1959 . . .	1,071	7.3	9,675	3,848	13,523	92.7	14,594
1960 . . .	276	2.7	7,109	2,795	9,904	97.3	10,180
1961 . . .	3,023	22.6	6,853	3,503	10,356	77.4	13,379
1962 . . .	610	6.5	6,127	2,600	8,727	93.5	9,337
1963 . . .	1,387	19.1	3,480	2,385	5,865	80.9	7,252
1964 . . .	467	8.6	3,050	1,940	4,990	91.4	5,457
1965 . . .	945	19.4	2,046	1,889	3,935	80.6	4,880

1/ Data not available. 2/ Prior to 1948 imports of bonito and yellowtail were included with those of tuna. 3/ Data on the pack in brine have been included with the pack in oil.

SUPPLY OF FISHERY PRODUCTS

CATCH AND IMPORTS OF TUNA, 1955-65

Year	U. S. Catch			Imports		
	Atlantic, Gulf, and Pacific Coast States and Hawaii	Puerto Rico	Total	Fresh & frozen including cooked loins and discs round weight 1/	Canned	
					In oil	In brine
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1955	282,324	9,549	291,873	164,022	818	34,745
1956	343,202	12,000	355,202	152,941	586	37,629
1957	304,891	18,393	323,284	189,153	1,068	43,318
1958	328,232	16,652	344,884	263,171	758	45,446
1959	285,909	22,090	307,999	312,154	830	55,304
1960	298,203	20,910	319,113	295,022	596	51,159
1961	325,804	31,050	356,854	268,577	431	58,232
1962	312,157	28,790	340,947	355,967	358	56,361
1963	321,619	37,026	358,645	314,578	224	57,270
1964	305,829	48,393	354,222	372,975	201	54,446
1965	319,340	54,576	373,916	373,636	211	50,751

1/ Includes landings of foreign-caught fish in American Samoa.

SUPPLY OF CANNED SARDINES, 1955-65

Year	U. S. production		Imports 1/		Exports		Total supply available for U. S. consumption
	Maine	Pacific	In oil	Not in oil	In oil	Not in oil	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1955	29,691	63,657	20,930	9,886	1,179	45,431	77,554
1956	52,216	33,963	18,581	10,460	229	39,445	75,546
1957	51,894	22,399	20,127	14,396	379	14,922	93,515
1958	49,139	100,016	18,001	21,172	645	17,816	169,867
1959	41,024	33,956	21,153	11,603	1,271	37,453	69,012
1960	46,744	27,714	21,236	16,732	264	20,955	91,207
1961	17,635	18,859	27,877	25,702	185	7,475	82,413
1962	50,248	6,168	32,603	32,476	578	7,188	113,729
1963	37,890	2,568	19,913	30,164	146	3,493	86,896
1964	20,259	5,438	20,068	33,590	839	2,426	76,090
1965	29,646	337	21,584	31,434	(2)	3,376	79,625

1/ Includes sea herring. 2/ Data on the pack in oil have been included with the pack not in oil.

SUPPLY OF CANNED SARDINES OBTAINED FROM DOMESTIC PACK AND IMPORTS, 1955-65

Year	U. S. pack 1/	Percent of total supply	Imports 2/	Percent of total supply	Total supply
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1955	93,348	75.2	30,816	24.8	124,164
1956	86,179	74.8	29,041	25.2	115,220
1957	74,293	68.3	34,523	31.7	108,816
1958	149,155	79.2	39,173	20.8	188,328
1959	74,980	69.6	32,756	30.4	107,736
1960	74,458	66.2	37,968	33.8	112,426
1961	36,494	40.5	53,579	59.5	90,073
1962	56,416	46.4	65,079	53.6	121,495
1963	40,458	44.7	50,077	55.3	90,535
1964	25,697	32.4	53,658	67.6	79,355
1965	29,983	36.1	53,018	63.9	83,001

1/ Includes the pack of Maine and Pacific sardines. 2/ Includes sea herring.

SUPPLY OF FRESH AND FROZEN SPINY LOBSTERS, 1955-65

Year	U. S. catch 1/	Imports 2/
	Thousand pounds	Thousand pounds
1955	3,154	22,479
1956	3,849	25,258
1957	4,687	28,236
1958	3,588	25,938
1959	3,698	28,092
1960	3,210	32,346
1961	3,235	32,610
1962	3,664	35,947
1963	4,180	34,048
1964	4,088	35,104
1965	*6,200	*37,811

1/ Round weight. 2/ Imported weight, consisting largely of tails. *Record.

SUPPLY OF FRESH AND FROZEN NORTHERN LOBSTERS, 1955-65

Year	U. S. catch				Imports		Total supply
	Maine	Other States	Total	Percent of total	Total 1/	Percent of total	
	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds
1955	22,718	6,236	28,954	56	22,962	44	51,916
1956	20,572	5,948	26,520	54	22,484	46	49,004
1957	24,403	5,752	30,155	58	22,218	42	52,373
1958	21,312	5,915	27,227	56	21,413	44	48,640
1959	22,329	6,756	29,085	58	20,635	42	49,720
1960	24,014	7,154	*31,168	59	21,403	41	*52,571
1961	20,918	7,080	27,998	57	21,299	43	49,297
1962	22,075	7,422	29,497	57	22,101	43	51,598
1963	22,804	7,470	30,274	58	21,847	42	52,121
1964	21,413	9,545	30,958	60	20,386	40	51,344
1965	18,900	10,500	29,400	61	18,601	39	48,001

1/ Record imports, 1951 (23,558,000 pounds). *Record.

SUPPLY OF SHRIMP, 1955-65

Year	U. S. catch 1/			Imports 2/			Total, Heads-off
	Heads-on	Heads-off	Percent of total	Import weight	Heads-off	Percent of total	
	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1955	244,335	145,438	73	53,772	53,772	27	199,210
1956	224,173	133,436	66	68,618	68,618	34	202,054
1957	203,882	121,358	64	69,676	69,676	36	191,034
1958	213,842	127,287	60	85,394	85,394	40	212,681
1959	240,182	142,965	56	106,555	111,704	44	254,669
1960	249,452	148,483	55	113,418	119,139	45	267,622
1961	174,530	103,865	44	126,268	134,564	56	238,429
1962	191,105	119,154	44	141,183	152,504	56	271,658
1963	240,478	150,737	47	151,530	167,344	53	318,081
1964	211,821	133,113	44	154,577	169,510	56	302,623
1965	241,600	151,000	46	*163,088	*178,902	54	*329,902

1/ Record catch, 1954 (Heads-on 268,334 pounds -- heads- off, 159,723 pounds). 2/ Imports for 1955-58 were considered to consist entirely of heads-off shrimp. Those for the following years were converted to heads-off weight on the basis of available data on the actual condition of the imports. *Record.

SUPPLY OF FISHERY PRODUCTS

SUPPLY OF SCALLOP MEATS, 1955-65

Year	U.S. catch 1/				Imports				Total, available for U. S. consumption
	Massachusetts	Other States	Total	Percent of total	Canada	Other countries	Total	Percent of total	
	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds	Percent	Thousand pounds
1955	16,388	7,336	23,724	92.4	809	1,137	1,946	7.6	25,670
1956	16,150	5,216	21,366	90.1	1,339	1,011	2,350	9.9	23,716
1957	20,011	3,311	23,322	87.4	2,532	836	3,368	12.6	26,690
1958	16,856	4,392	21,248	84.5	2,464	1,439	3,903	15.5	25,151
1959	19,530	6,306	25,836	83.5	3,265	*1,842	5,107	16.5	30,943
1960	21,512	7,230	28,742	80.7	6,340	533	6,873	19.3	35,615
1961	*21,608	7,587	*29,195	77.1	8,555	97	8,652	22.9	37,847
1962	20,810	7,000	27,810	70.6	11,370	193	11,563	29.4	*39,373
1963	16,941	4,515	21,456	61.6	2/13,233	164	2/13,397	38.4	2/34,853
1964	14,051	4,750	18,801	53.8	*2/15,527	648	2/16,175	46.2	2/34,976
1965	11,900	*8,100	20,000	54.8	2/15,315	1,179	* 2/16,494	45.2	2/36,494

1/ Principally sea scallops. 2/ Includes small quantities of canned. *Record.

SUPPLY OF CANNED SHRIMP, 1959-65

Year	U.S. pack	Imports	Exports		Total
			Domestic	Foreign	
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1959	13,832	(1)	2,876	19	(1)
1960	14,268	(1)	3,482	34	(1)
1961	9,284	(1)	2,503	25	(1)
1962	13,249	(1)	2,212	44	(1)
1963	15,904	2/4,120	3,199	33	16,792
1964	9,740	3,004	3,692	25	9,027
1965	15,625	2,249	4,510	34	13,330

1/ Data not available. 2/ Partly estimated.

SUPPLY OF CANNED CRAB MEAT, VARIOUS YEARS, 1939-65

Year	U. S. pack	Percent of total supply	Imports	Percent of total supply	Total supply	Exports	Total available for U.S. consumption
	Thousand pounds	Percent	Thousand pounds	Percent	Thousand pounds	Thousand pounds	Thousand pounds
1939.	640	4.5	*13,507	95.5	*14,147	-	*14,147
1948.	4,306	76.3	1,337	23.7	5,643	73	5,570
1950.	2,675	39.7	4,070	60.3	6,745	20	6,725
1951.	2,924	59.8	1,968	40.2	4,892	47	4,845
1952.	1,678	44.7	2,080	55.3	3,758	33	3,725
1953.	2,240	36.0	3,983	64.0	6,223	20	6,203
1954.	3,013	51.2	2,867	48.8	5,880	19	5,861
1955.	1,934	28.1	4,951	71.9	6,885	19	6,866
1956.	2,431	30.1	5,640	69.9	8,071	17	8,054
1957.	3,013	32.8	6,185	67.2	9,198	29	9,169
1958.	2,804	32.4	5,854	67.6	8,658	(1)	8,658
1959.	2,942	28.7	7,304	71.3	10,246	(1)	10,246
1960.	4,115	47.7	4,507	52.3	8,622	(1)	8,622
1961.	5,000	54.1	4,237	45.9	9,237	(1)	9,237
1962.	5,621	61.6	3,505	38.4	9,126	(1)	9,126
1963.	*7,356	58.1	5,296	41.9	12,652	(1)	12,652
1964.	6,567	59.3	4,508	40.7	11,075	(1)	11,075
1965.	6,615	61.4	4,151	38.6	10,766	(1)	10,766

1/ Data not available. *Record.

SUPPLY OF FISH OILS, 1950-65

(Excluding liver, whale, and sperm oil)

Year	U. S. production	Imports	Total supply	Exports	Available for U. S. consumption
	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds	Thousand pounds
1950.	160,745	15,135	175,880	75,975	99,905
1951.	133,531	17,370	150,901	49,838	101,063
1952.	118,634	15,592	134,226	43,958	90,268
1953.	150,674	11,955	162,629	108,465	54,164
1954.	162,210	13,012	175,222	141,630	33,592
1955.	185,092	10,380	195,472	142,672	52,800
1956.	197,268	10,658	207,926	140,805	67,121
1957.	148,194	7,252	155,446	114,938	40,508
1958.	161,636	4,928	166,564	94,042	72,522
1959.	183,177	6,750	189,927	144,481	45,446
1960.	205,619	8,932	214,551	143,659	70,892
1961.	254,596	8,385	262,981	122,486	140,495
1962.	247,464	10,755	258,219	123,050	135,169
1963.	183,673	8,579	192,252	262,342	-70,090
1964.	177,015	11,828	188,843	151,469	37,374
1965.	192,906	5,989	198,895	103,807	95,088

SUPPLY OF FISHERY PRODUCTS

SUPPLY OF FISH MEAL AND SOLUBLES, 1955-65

Year	U.S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1955	319,962	76.2	99,692	23.8	419,654
1956	360,207	79.6	92,089	20.4	452,296
1957	325,221	79.0	86,414	21.0	411,635
1958	313,228	74.3	108,167	25.7	421,395
1959	*389,231	72.5	147,392	27.5	536,623
1960	339,601	71.8	133,349	28.2	472,950
1961	367,392	62.3	221,923	37.7	589,315
1962	374,583	59.4	256,320	40.6	630,903
1963	309,608	44.9	380,132	55.1	689,740
1964	281,900	38.9	*441,889	61.1	*723,789
1965	302,379	52.5	273,235	47.5	575,614

1/ Includes homogenized condensed fish for 1955-63; no production in 1964 and 1965. *Record.

Note:--Wet weight of solubles and homogenized condensed fish have been converted to dry weight by reducing their poundage by one-half.

SUPPLY OF FISH MEAL, 1955-65

Year	U.S. production		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1955	264,502	73.0	98,003	27.0	362,505
1956	295,793	76.6	90,421	23.4	386,214
1957	264,085	76.5	81,196	23.5	345,281
1958	248,140	71.2	100,352	28.8	348,492
1959	306,551	69.8	132,925	30.2	439,476
1960	290,137	68.8	131,561	31.2	421,698
1961	311,265	58.8	217,845	41.2	529,110
1962	*312,259	55.3	252,307	44.7	564,566
1963	255,907	40.5	376,321	59.5	632,228
1964	235,252	34.9	*439,143	65.1	*674,395
1965	253,371	48.3	270,666	51.7	524,037

*Record.

SUPPLY OF FISH SOLUBLES, 1955-65

Year	U.S. production 1/		Imports		Total
	Tons	Percent	Tons	Percent	Tons
1955	110,919	97.1	3,297	2.9	114,216
1956	128,829	97.7	2,991	2.3	131,820
1957	122,273	92.6	9,709	7.4	131,982
1958	130,177	89.9	14,567	10.1	144,744
1959	*165,359	86.1	*26,630	13.9	*191,989
1960	98,929	96.9	3,174	3.1	102,103
1961	112,254	94.3	6,739	5.7	118,993
1962	124,649	95.2	6,308	4.8	130,957
1963	107,402	93.8	7,112	6.2	114,514
1964	93,296	95.4	4,505	4.6	97,801
1965	98,017	95.0	5,138	5.0	103,155

1/ Includes homogenized condensed fish for 1955-63; no production in 1964 and 1965. *Record.

Note:--Imports of solubles are understood to be on a wet-weight basis except for those from the Republic of South Africa, which are believed to be on a dry-weight basis.

VALUE OF MANUFACTURED FISHERY PRODUCTS AT PROCESSORS' LEVEL, 1964-65
(Produced from domestic catch and imported products)

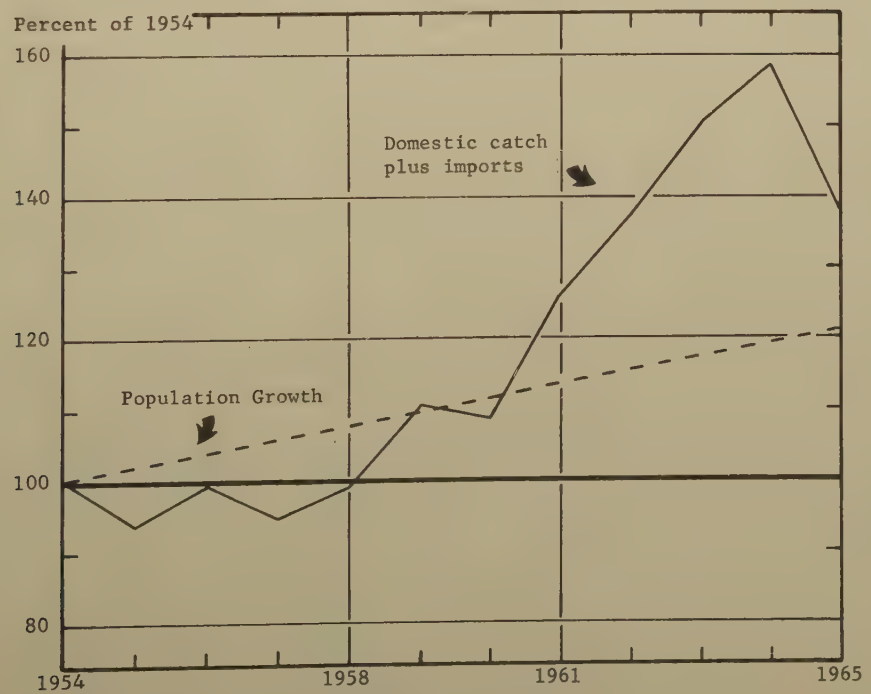
Item	1964		1965
	Thousand dollars	Percent of total	Thousand dollars
Canned	436,660	45.3	484,059
Packaged:			
Fillets and steaks	57,364	5.9	65,527
Fish sticks	29,986	3.1	35,701
Fish portions	36,532	3.8	55,657
Breaded shrimp	63,388	6.6	76,209
Other (fish and shellfish)	223,096	23.1	(1)
Cured	47,783	5.0	(1)
Industrial products	69,911	7.2	81,853
Total	964,720	100.0	(1)

1/ Data not available.

ESTIMATED VALUE OF FISHERY PRODUCTS AT VARIOUS LEVELS, 1964-65

Level	1964			1965		
	Domestic fisheries	Imports	Total	Domestic fisheries	Imports	Total
	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars	Million dollars
Producer (fishermen)	389	-	389	451	-	451
Imports (declared value)	-	564	564	-	613	613
Processor	688	277	965	773	319	1,092
Wholesaler	925	853	1,778	1,073	933	2,006
Retailer	1,206	938	2,144	1,398	1,026	2,424

RELATIVE GROWTH IN QUANTITY OF FISHERY PRODUCTS AVAILABLE AND POPULATION



NOTE:--INCLUDES BOTH EDIBLE AND INDUSTRIAL FISHERY PRODUCTS.

VALUE

WHOLESALE AVERAGE PRICES AND INDEXES FOR EDIBLE FISH AND SHELLFISH, DECEMBER 1965 WITH COMPARISONS

Group, subgroup, and item specification	Point of pricing	Unit	Avg. Prices ($) 1/			Indexes (1957-59=100)		
			Dec. 1965	Dec. 1964	Dec. 1963	Dec. 1965	Dec. 1964	Dec. 1963
All fish & shellfish (fresh, frozen, and canned)						119.3	109.5	107.5
Fresh & frozen fishery products:						120.6	113.8	110.5
Drawn, dressed, or whole finfish:						124.3	111.2	114.4
Haddock, large, offshore, drawn, fresh	Boston	1b.	.15	.13	.17	119.6	99.5	133.0
Halibut, west., 20/80 lbs., dressed, fresh or frozen	New York	1b.	.48	.40	.33	141.0	118.3	96.1
Salmon, king, large & medium, dressed, fresh, or frozen	New York	1b.	.88	.83	.85	122.3	115.6	118.4
Whitefish, L. Superior, drawn, fresh	Chicago	1b.	.63	.51	.41	99.3	76.1	61.2
Yellow pike, L. Michigan & Huron, round, fresh	New York	1b.	.71	.70	.51	116.2	114.6	83.5
Processed, fresh (fish & shellfish):						123.5	111.9	111.5
Fillets, haddock, small, skins on, 20-1b. tins	Boston	1b.	.44	.45	.57	105.7	109.3	138.4
Shrimp, large (26-30 count), headless, fresh	New York	1b.	.91	.90	.82	106.6	105.5	95.5
Oysters, shucked, standards	Norfolk	gal.	8.75	7.13	7.50	147.6	120.1	126.5
Processed, frozen (fish & shellfish):						110.6	112.8	101.3
Fillets: Flounder, skinless, 1-1b. package	Boston	1b.	.40	.37	.39	101.4	92.5	98.9
Haddock, small, skins on, 1-lb. package	Boston	1b.	.40	.40	.40	115.8	115.8	115.8
Ocean perch, large, skins on, 1-lb. package	Boston	1b.	.32	.30	.35	112.2	105.2	121.0
Shrimp, large (26-30 count), brown, 5-1b. package	Chicago	1b.	.91	.96	.78	107.9	113.8	91.9
Canned fishery products:						117.5	102.2	102.5
Salmon, pink, No. 1 tall, (16 oz.), 48 cans/cs.	Seattle	cs.	27.50	21.25	23.50	119.8	92.6	102.4
Tuna, light meat, chunk, No. 1/2 tuna (6-1/2 oz.), 48 cans/cs.	Los Angeles	cs.	12.25	11.56	11.06	108.8	102.6	98.2
Mackerel, jack, California, No. 1 tall (15 oz.), 48 cans/cs	Los Angeles	cs.	7.13	6.25	5.75	120.9	105.9	97.5
Sardines, Maine, keyless oil, 1/4 drawn (3-3/4 oz.), 100 cans/cs.	New York	cs.	10.25	10.00	8.96	131.5	128.3	114.9

1/ Represent average prices for one day (Monday or Tuesday) during the week in which the 15th of the month occurs. These prices are published as indicators of movement and not necessarily absolute level. Daily Market News Service "Fishery Products Reports" should be referred to for actual prices.

Source:--Department of Labor, Bureau of Labor Statistics.

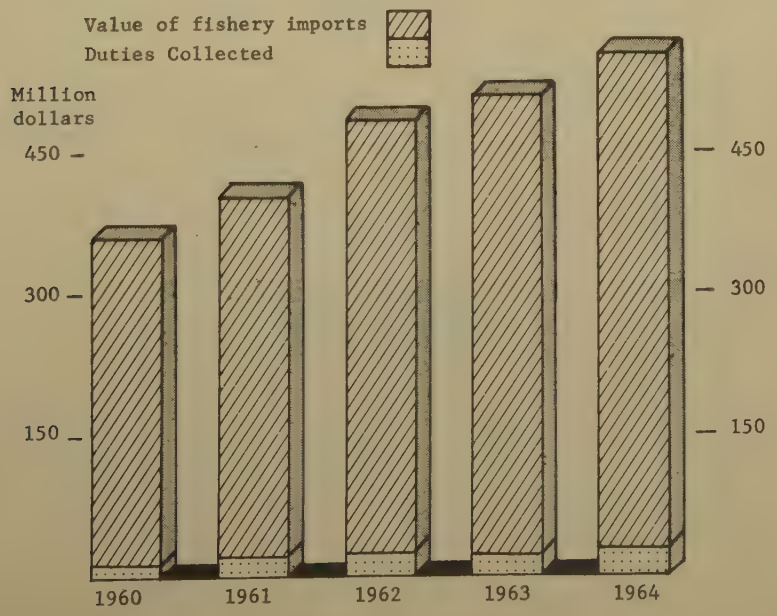
VALUE

U. S. CUSTOMS DUTIES

IMPORTS: VALUE, DUTIES COLLECTED, AND AD VALOREM EQUIVALENT, 1936-64

Year	Value		Duties collected		Average ad valorem equivalent	
	Fishery imports	All imports	Fishery imports	All imports	Fishery imports	All imports
	Thousand dollars	Thousand dollars	Thousand dollars	Thousand dollars	Percent	Percent
1936. . .	41,873	2,423,977	6,545	400,558	15.6	16.5
1937. . .	50,636	3,009,852	8,254	465,253	16.3	15.5
1938. . .	39,307	1,949,624	5,701	293,070	14.5	15.0
1939. . .	45,999	2,276,099	6,015	316,372	13.1	13.9
1940. . .	41,830	2,540,656	4,772	305,609	11.4	12.0
1941. . .	40,981	3,221,954	3,888	413,846	9.5	12.8
1942. . .	39,568	2,780,317	2,714	323,409	6.9	11.6
1943. . .	67,183	3,390,101	3,523	395,030	5.2	11.7
1944. . .	78,418	3,887,490	4,386	382,109	5.6	9.8
1945. . .	101,254	4,098,101	6,979	391,476	6.9	9.6
1946. . .	129,713	4,824,902	8,047	498,001	6.2	10.3
1947. . .	109,975	5,666,321	6,895	445,355	6.3	7.9
1948. . .	156,648	7,092,032	8,694	417,401	5.6	5.9
1949. . .	151,614	6,591,640	7,560	374,291	5.0	5.7
1950. . .	198,296	8,743,082	12,484	529,621	6.3	6.1
1951. . .	212,457	10,817,341	10,346	603,468	4.9	5.6
1952. . .	240,429	10,747,497	11,982	574,733	5.0	5.3
1953. . .	245,480	10,778,905	14,026	597,760	5.7	5.5
1954. . .	252,409	10,239,517	14,405	556,936	5.7	5.4
1955. . .	258,869	11,336,787	14,530	669,579	5.6	5.9
1956. . .	282,730	12,515,747	15,504	739,228	5.5	5.9
1957. . .	299,275	12,950,606	15,955	776,884	5.3	6.0
1958. . .	330,781	12,739,429	16,645	832,155	5.0	6.5
1959. . .	370,117	14,993,594	17,737	1,066,536	4.8	7.1
1960. . .	363,281	14,650,000	15,857	1,084,000	4.4	7.4
1961. . .	400,619	14,657,000	16,904	1,057,000	4.2	7.2
1962. . .	489,807	16,241,000	17,910	1,220,000	3.7	7.5
1963. . .	500,712	17,014,000	17,660	1,236,000	3.5	7.3
1964. . .	564,243	18,600,300	22,035	1,583,000	3.9	8.6

VALUE OF FISHERY IMPORTS AND DUTIES COLLECTED, 1960-64



PER CAPITA CONSUMPTION

CONSUMPTION OF FISH AND SHELLFISH

Available data indicate that per capita consumption of commercially-caught fish and shellfish in 1965 amounted to 11.0 pounds--0.5 pounds more than in the previous year. Not included in this figure is an estimated annual per capita consumption of over 3 pounds taken by sportsmen or for home use by others.

Despite strong competition from other animal protein foods, annual per capita consumption of commercially-caught fish and shellfish in the United States has, for many years, averaged 10 to 11 pounds, except for the periods 1931 to 1934, and 1942 to 1944 when consumption declined sharply due to the depression of the 1930's and World War II.

Although consumption of fresh and frozen fish and shellfish has not shown a significant change in the past 30 years, considerable variation has taken place in the species consumed. Domestically-caught Atlantic mackerel, cod, haddock, ocean perch, and oysters have shown significant declines because of reduced supplies. Consumption of fish sticks and portions processed from imported groundfish blocks and slabs has increased. Consumption of shrimp has also risen each year due to the growth of the domestic fishery and imports.

Per capita consumption of canned fishery products reached a peak in the 1930's averaging 4.7 pounds during the years from 1934 to 1939. Following the latter year, consumption declined, and in the 1950's, averaged just over 4.0 pounds. Due to reduced production, consumption of canned salmon declined from an average of 2.4 pounds per capita in the 1930's to less than 1 pound since 1958. Consumption of canned Pacific sardines also dropped sharply due to reduced supplies. An outstanding change has been the rapid growth of the market for canned tuna. Consumption of this product amounted to one-half pound per capita in 1935, 1 pound in 1949, and 2 pounds or more since 1959.

Consumption of cured fishery products fell steadily from an estimated 3 to 4 pounds per capita early in the century to about one-half pound in recent years.

PER CAPITA CONSUMPTION OF COMMERCIALLY-CAUGHT FISH AND SHELLFISH, 1963-65

(Edible weight)

Item	1963	1964	1965 1/
	Pounds	Pounds	Pounds
Fresh and frozen	5.7	5.9	6.0
Canned	4.4	4.1	4.5
Cured	.5	.5	.5
Total	10.6	10.5	11.0

1/ Preliminary.

PER CAPITA CONSUMPTION OF CANNED FISHERY PRODUCTS, 1936-40 AND 1946-65

Year	Mackerel, Pacific and jack	Salmon	Sardines, Maine and Pacific 1/	Tuna 2/	Shell-fish	Other	Total
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1936. . . .	.5	3.0	1.3	.4	.4	.2	5.8
1937. . . .	.3	2.6	1.3	.5	.4	.2	5.3
1938. . . .	.3	2.4	1.0	.5	.4	.2	4.8
1939. . . .	.3	2.1	1.1	.6	.5	.1	4.7
1940. . . .	.4	2.0	1.0	.6	.5	.1	4.6
1946. . . .	.3	1.2	.9	.7	.4	.3	3.8
1947. . . .	.4	1.3	.9	.8	.2	.1	3.7
1948. . . .	.4	1.6	1.1	.9	.3	.1	4.4
1949. . . .	.3	1.6	1.2	.9	.3	.2	4.5
1950. . . .	.4	1.4	1.4	1.1	.4	.2	4.9
1951. . . .	.3	1.4	.8	1.2	.4	.2	4.3
1952. . . .	.4	1.4	.5	1.3	.3	.4	4.3
1953. . . .	.2	1.3	.7	1.4	.4	.3	4.3
1954. . . .	.1	1.1	.8	1.4	.4	.5	4.3
1955. . . .	.2	1.0	.6	1.4	.4	.3	3.9
1956. . . .	.2	1.1	.4	1.6	.4	.3	4.0
1957. . . .	.3	1.0	.4	1.6	.4	.3	4.0
1958. . . .	.1	1.1	.6	1.8	.4	.3	4.3
1959. . . .	.1	.9	.6	1.9	.5	.4	4.4
1960. . . .	.2	.7	.4	2.0	.4	.3	4.0
1961. . . .	.2	.8	.5	2.1	.4	.3	4.3
1962. . . .	.3	.9	.3	2.1	.4	.3	4.3
1963. . . .	.3	.9	.4	2.0	.5	.3	4.4
1964. . . .	.2	.7	.3	2.1	.5	.3	4.1
1965 3/ . .	.2	.9	.3	2.4	.4	.3	4.5

1/ Includes imports of some canned herring for the years prior to 1950.
2/ Includes imports of bonito and yellowtail for the years prior to 1949.
3/ Preliminary.

PER CAPITA CONSUMPTION OF CERTAIN FISHERY ITEMS, 1936-40 AND 1946-65

(Pounds of edible meat)

Year	Groundfish and ocean perch fillets and blocks 1/	Shrimp 2/	Year	Groundfish and ocean perch fillets and blocks 1/	Shrimp 2/
	Raw, fresh and frozen	Raw, all preparations		Raw, fresh and frozen	Raw, all preparations
1936.	0.74	0.35	1953.	1.40	0.98
1937.	0.74	0.45	1954.	1.50	0.99
1938.	0.77	0.45	1955.	1.50	1.03
1939.	0.79	0.48	1956.	1.41	0.99
1940.	0.81	0.52	1957.	1.54	0.88
1946.	0.14	0.76	1958.	1.50	0.96
1947.	1.14	0.69	1959.	1.46	1.15
1948.	1.26	0.69	1960.	1.44	1.20
1949.	1.32	0.71	1961.	1.62	1.12
			1962.	1.69	1.04
1950.	1.30	0.78	1963.	1.67	1.14
1951.	1.58	0.93	1964.	1.76	1.18
1952.	1.47	0.98	1965 3/ . . .	1.84	1.27

1/ Imports and frozen inventories not available prior to 1939.
2/ Frozen inventories not available prior to 1939. Weight based on uncooked edible meat.
3/ Preliminary.

ANNUAL PER CAPITA SUPPLY OF FISH AND SHELLFISH, BY REGION AND COUNTRY, LATEST AVAILABLE DATA

Region and country	Period	Estimated edible weight
		Pounds
Europe:		
Austria	1963-64	8.2
Belgium-Luxembourg	1962-63	10.6
Denmark	1962-63	35.3
Finland	1962-63	20.1
France	1957-59	12.6
Germany (Federal Republic)	1963-64	14.8
Greece	1962	20.1
Ireland	1962	8.2
Italy	1963-64	12.1
Netherlands	1963-64	11.7
Norway	1963-64	45.0
Portugal	1963	44.1
Spain	1962-63	32.6
Sweden	1963-64	45.4
Switzerland	1962-63	8.8
United Kingdom	1963-64	20.3
Yugoslavia	1962	2.4
North America:		
Canada	1960-63	12.3
United States	1964	11.0
Latin America:		
Argentina	1962	4.4
Brazil	1962	6.2
Chile	1962	15.0
Colombia	1961	3.3
Dominican Republic	1959	7.7
Ecuador	1961	11.0
El Salvador	1962	2.9
Guatemala	1962	.7
Jamaica	1958	25.1
Mexico	1962	5.7
Paraguay	1962	.7
Peru	1962	15.9
Surinam	1962	19.2
Uruguay	1961	3.3
Venezuela	1962	14.1
Far East:		
Ceylon	1963	13.7
China, Taiwan	1963	30.2
India	1962-63	2.2
Japan	1963	61.3
Pakistan	1962-63	3.5
Philippines	1962	21.4
Africa and Near East:		
Israel	1962-63	13.7
Jordan	1962	1.8
Lebanon	1962	4.8
Libya	1959	2.6
Mauritius	1963	10.8
Southern Rhodesia	1953	3.3
South Africa	1960-61	19.4
Syria	1957	1.5
Turkey	1960-61	5.5
United Arab Republic	1962-63	10.8
Oceania:		
Australia	1962-63	11.0
New Zealand	1963	14.8

Note:--Data for most countries are tentative.

Source:--Production Yearbook, 1964, Volume 18, Food and Agriculture Organization of the United Nations.

PLANTS PRODUCING CANNED AND INDUSTRIAL FISHERY PRODUCTS, 1965

Area and State	Canned fishery products	Industrial fishery products	Total plants, exclusive of duplication
	Number	Number	Number
New England:			
Maine	29	15	43
Massachusetts	4	4	7
Rhode Island	1	1	1
Connecticut	1	1	2
Total	35	21	53
Middle Atlantic:			
New York	10	4	14
New Jersey	14	9	23
Pennsylvania	6	2	8
Delaware	1	1	2
Total	31	16	47
Chesapeake:			
Maryland	4	7	10
Virginia	9	14	22
Total	13	21	32
South Atlantic and Gulf:			
North Carolina	4	13	15
South Carolina	2	-	2
Georgia	-	1	1
Florida	3	7	10
Alabama	-	1	1
Mississippi	12	4	16
Louisiana	21	11	30
Texas	3	4	7
Total	45	41	82
Great Lakes and Mississippi River:			
Illinois	1	1	2
Iowa	-	3	3
Kansas	1	-	1
Michigan	1	-	1
Nebraska	1	-	1
Ohio	2	-	2
Wisconsin	4	1	5
Total	10	5	15
Pacific Coast:			
Alaska	100	4	104
Washington	59	8	67
Oregon	16	5	19
California	22	19	32
Total	197	36	222
Hawaii	1	-	1
American Samoa	2	2	2
Puerto Rico	4	3	4
Grand Total	338	145	458

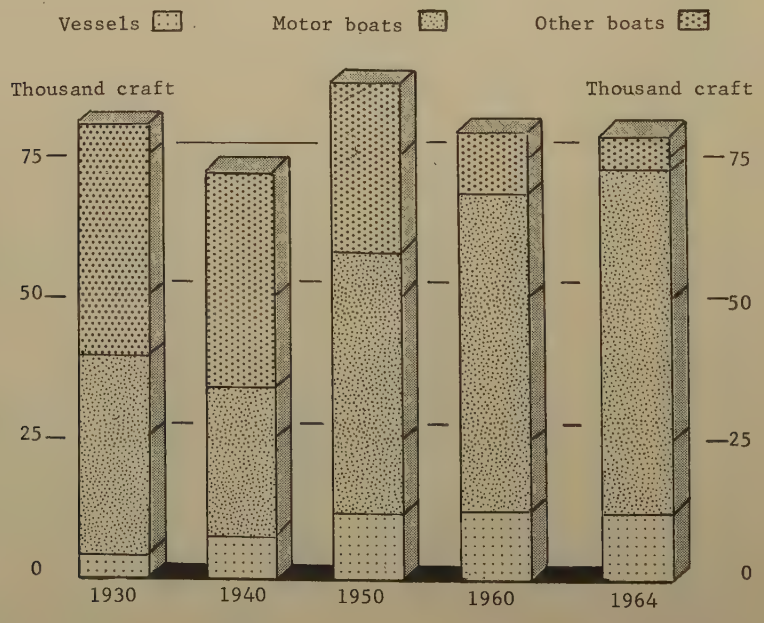
EMPLOYMENT, CRAFT, AND PLANTS

EMPLOYMENT, FISHING CRAFT, AND ESTABLISHMENTS, VARIOUS YEARS, 1930-64

Item	1930	1940	1950	1960	1964
	Number	Number	Number	Number	Number
Persons employed, direct:					
Fishermen	119,716	124,795	161,463	130,431	127,875
Shoreworkers	78,996	90,215	102,015	93,625	83,976
Total	198,712	215,010	263,478	224,056	211,851
Craft utilized, fishing:					
Vessels (5 net tons and over)	4,374	5,562	11,496	12,018	11,808
Motor boats	35,437	31,055	46,067	56,889	60,945
Other boats	37,961	35,193	34,747	8,150	3,659
Total	77,772	71,810	92,310	77,057	76,412
Vessels, documented for fishing:					
First documentation	(1)	320	812	408	488
Redocumentation	(1)	(1)	29	24	15
Total	(1)	(1)	841	432	503
Fishery shore establishments:					
Pacific Coast States	569	579	700	515	600
Atlantic Coast and Gulf States	2,024	2,038	2,699	2,898	2,848
Great Lakes and Mississippi River States	402	438	484	772	656
Hawaii	(1)	(1)	(1)	22	17
Total	2,995	3,055	3,883	4,207	4,121

1/ Data not available.

NUMBER OF FISHING CRAFT, VARIOUS YEARS, 1930-64



ADDITIONS TO THE U.S. FISHING FLEET, 1965

GROSS TONNAGE	BY TONNAGE GROUPS								
	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC COAST	GREAT LAKES	PUERTO RICO	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	7	2	33	10	51	30	-	-	133
10 - 19	9	2	17	10	72	76	1	1	188
20 - 29	1	1	3	8	18	23	1	-	55
30 - 39	2	1	-	3	8	6	-	-	20
40 - 49	-	5	-	5	13	11	-	-	34
50 - 59	-	-	-	3	5	7	-	-	15
60 - 69	-	-	-	3	21	4	-	-	27
70 - 79	2	1	-	2	11	3	-	-	19
80 - 89	-	-	-	2	24	-	-	-	26
90 - 99	1	1	-	29	60	1	-	-	92
100 - 109	-	1	-	2	6	-	-	-	9
110 - 119	1	-	-	-	1	-	-	-	2
120 - 129	1	-	-	1	-	-	-	-	2
130 - 139	2	-	-	-	-	1	-	-	3
140 - 149	1	-	-	-	-	-	-	-	1
150 - 159	4	-	-	-	-	-	-	-	4
160 - 169	2	-	-	-	1	-	-	-	3
170 - 179	4	-	-	-	-	-	-	-	4
180 - 189	-	-	-	-	-	1	-	-	1
190 - 199	1	-	-	-	-	1	-	-	2
210 - 219	-	-	-	-	-	1	1	-	2
260 - 269	-	-	-	-	-	1	-	-	1
270 - 279	-	-	-	-	-	1	-	-	1
300 - 309	-	-	-	-	-	1	-	-	1
310 - 319	-	-	-	-	-	1	-	-	1
320 - 329	-	-	-	-	-	1	-	-	1
330 - 339	-	-	-	-	-	1	-	-	1
360 - 369	-	-	-	-	2	-	-	-	2
420 - 429	-	-	-	-	-	1	-	-	1
430 - 439	-	-	-	-	-	1	-	-	1
510 - 519	-	-	-	-	2	-	-	-	2
520 - 529	-	-	-	-	3	-	-	-	3
550 - 559	-	-	-	-	1	-	-	-	1
570 - 579	-	-	1	-	-	-	-	-	1
580 - 589	-	-	1	-	-	-	-	-	1
590 - 599	-	-	1	-	-	1	-	-	2
720 - 729	-	-	-	-	-	1	-	-	1
TOTAL	38	14	56	77	299	175	3	1	663

LENGTH IN FEET	BY LENGTH DISTRIBUTION								
	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC COAST	GREAT LAKES	PUERTO RICO	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
20 - 29	3	-	1	5	19	42	-	-	70
30 - 39	11	4	41	18	97	70	1	1	243
40 - 49	5	1	11	6	31	37	-	-	91
50 - 59	-	5	-	11	23	6	1	-	46
60 - 69	2	3	-	35	117	6	-	-	163
70 - 79	3	1	-	1	2	1	-	-	8
80 - 89	7	-	-	-	1	1	-	-	9
90 - 99	6	-	-	1	1	1	-	-	9
100 - 109	1	-	-	-	-	1	-	-	2
110 - 119	-	-	-	-	-	3	1	-	4
120 - 129	-	-	-	-	-	2	-	-	2
130 - 139	-	-	-	-	2	2	-	-	4
150 - 159	-	-	-	-	-	2	-	-	2
160 - 169	-	-	1	-	6	1	-	-	8
200 - 209	-	-	2	-	-	-	-	-	2
TOTAL	38	14	56	77	299	175	3	1	663

HORSE POWER	BY HORSE POWER DISTRIBUTION								
	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC COAST	GREAT LAKES	PUERTO RICO	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
UNDER 50	-	-	2	-	1	4	-	-	7
50 - 99	3	1	3	4	36	20	-	-	67
100 - 149	7	1	16	8	56	45	-	-	133
150 - 199	-	7	8	13	61	48	-	-	137
200 - 249	4	1	10	11	52	17	-	1	96
250 - 299	2	-	7	2	5	13	-	-	29
300 - 349	4	2	1	32	68	10	-	-	117
350 - 399	-	-	4	3	3	3	-	-	13
400 - 449	8	2	-	-	1	1	1	-	13
450 - 499	1	-	-	2	5	4	-	-	12
500 - 599	5	-	1	2	1	2	1	-	12
600 - 699	2	-	1	-	2	3	-	-	8
700 - 799	2	-	-	-	-	-	-	-	2
800 - 899	-	-	-	-	-	2	1	-	3
1000 - 1099	-	-	1	-	1	1	-	-	3
1300 - 1399	-	-	-	-	-	1	-	-	1
1400 - 1499	-	-	-	-	1	-	-	-	1
1500 OVER	-	-	2	-	6	1	-	-	9
TOTAL	38	14	56	77	299	175	3	1	663

MILITARY PURCHASES

PURCHASES OF FRESH, FROZEN, AND CANNED FISHERY PRODUCTS, BY DEFENSE SUBSISTENCE SUPPLY CENTERS, 1950-65

Year	Fresh and frozen		Canned
	Thousand pounds	Thousand dollars	Thousand pounds
1950	17,884	7,399	(1)
1951	31,844	13,771	(1)
1952	32,276	15,050	(1)
1953	26,769	11,857	(1)
1954	25,290	10,395	(1)
1955	24,989	10,929	(1)
1956	26,610	13,413	(1)
1957	23,452	12,080	6,037
1958	22,511	12,850	9,473
1959	22,651	11,624	5,834
1960	22,917	11,839	7,350
1961	23,450	12,470	8,615
1962	23,356	14,388	9,024
1963	23,400	13,017	7,067
1964	26,341	15,040	8,777
1965	27,712	18,685	14,145

1/ Data not available.
Note:--Armed Forces installations generally make some local purchases not included in the above data.
Source:--Commercial Fisheries Review, Fishery Market News Service.

PURCHASES OF PRINCIPAL FRESH AND FROZEN FISHERY PRODUCTS, BY DEFENSE SUBSISTENCE SUPPLY CENTERS, 1964-65

Product	1964	1965
	Thousand pounds	Thousand pounds
Shrimp:		
Raw headless	1,234	1,151
Peeled and deveined	1,664	1,954
Breaded	4,246	4,973
Molded and breaded	497	707
Total shrimp	7,641	8,785
Scallops	2,777	1,934
Oysters:		
Eastern	844	744
Pacific	342	273
Total oysters	1,186	1,017
Fillets:		
Cod	497	505
Flounder	3,062	2,910
Ocean perch	3,523	3,619
Haddock	1,898	1,544
Haddock portions	774	1,856
Steaks:		
Halibut	1,278	1,374
Salmon	261	169
Swordfish	17	5

Note:--Armed Forces installations generally make some local purchases not included in the above data. Source:--Commercial Fisheries Review, Fishery Market News Service.

FISHERY LOAN PROGRAM

The Fish and Wildlife Act of 1956 authorized a Fisheries Loan Program which started in October 1956. The first loans were approved in late December of that year. Since that time through December 31, 1965, 1,728 applications for $44 million have been received. Of these, 896 ($19.6 million) have been approved. In 1965 a total of 68 loan applications for $955,564 were approved.

In July 1965 the Secretary's authority to make loans was extended to June 30, 1970. Loans can be made only for financing or refinancing of the cost of purchasing, constructing, equipping, maintaining, repairing, or operating new or used commercial fishing vessels or gear where the credit applied for is not otherwise available on reasonable terms.

FISHING VESSEL MORTGAGE INSURANCE PROGRAM

The Fishing Vessel Mortgage Insurance Program provides for insurance by the Department of the Interior of mortgages to finance the construction, reconstruction or reconditioning of fishing vessels. In 1965 a total of 22 mortgage insurance applications for $2,118,447 were approved.

FISHING VESSEL CONSTRUCTION-DIFFERENTIAL SUBSIDY PROGRAM

The Fishing Vessel Construction-Differential Subsidy Program, established by P.L. 88-516, was extended and expanded by passage of the United States Fishing Fleet Improvement Act in August 1964. The new program extended the program until 1969, removed the requirement that the vessel be designed to operate in a fishery found to be suffering injury or threat of injury by reason of increased imports and added two other provisions.

The first was that the vessel be of advance design, which will enable it to operate in expanded areas, and be equipped with newly developed gear, and that it will not operate in a fishery if such operation would cause economic hardship to efficient vessel operators already operating in that fishery. The second was a requirement that public hearings be held on each application before approval.

Through December 31, 1965, 55 applications for $11.6 million were received; of these 24 ($4.2 million) have been approved after hearing.

UNITED STATES DEPARTMENT OF THE INTERIOR

WASHINGTON, D. C. 20240

Telephone: 343 + extension or Code 183

		Room	Extension
Secretary of the Interior, Stewart L. Udall		6151	6704
Under Secretary of the Interior, John A. Carver, Jr.		6132	4423
Assistant Secretary for Fish and Wildlife and Parks, Stanley A. Cain		3156	4966
Commissioner, Fish and Wildlife Service, Clarence F. Pautzke		3156	4678
Bureau of Commercial Fisheries			
DIRECTOR, Donald L. McKernan		3356	4993
Deputy Director, Harold E. Crowther		3356	4007
Program Development Officer, Keith R. McCarthy		3354	5312
Assistant to the Director, Russell T. Norris		3042A	5719
Legislative Advisor, Ralph E. Curtiss		3346	2360
American Fisheries Advisory Committee, Robert D. Balkovic		3040	5715
Economics Advisor, James A. Storer		3026	4152
Hearings Examiner, Alfred P. Whittaker		1042	33039
Assistant Director for Administration, Vacant		3355	5160
Branch of:	Chief:		
Audit	William A. Butron	3438	2213
Budget and Finance	Vacant	2553	33227
Management Analysis	Donald D. Carruth	1044	6703
Personnel Management	C. Doyle Innis	2353	5406
Property Management	Kenneth A. Lawrence	2552	5415
Assistant Director for Biological Research, J. Lawrence McHugh		3347	4106
Branch of:	Chief:		
Anadromous Fisheries	Mitchell G. Hanavan	2556	6855
Inland Fisheries	Philip R. Nelson	3447	5295
Marine Fisheries	Joseph E. King	1364	5521
Shellfisheries	Roland F. Smith	3443	2879
Assistant Director for Economics, Lawrence W. Van Meir (Acting)		3340	4151
Branch of:	Chief:		
Current Economic Analysis	Fred L. Olson (Acting)	605 1/	6907
Economic Research	Harvey Hutchings (Acting)	606 1/	7714
Fishery Statistics	Charles H. Lyles (Acting)	505 1/	7850
Foreign Trade and Economics Services	Leslie D. McMullin (Acting)	608 1/	6938
Assistant Director for Industrial Research, Charles Butler		3351	4386
Deputy Assistant Director, John A. Holston		3351	4387
Branch of:	Chief:		
Exploratory Fishing	Edward A. Schaefers	2465	2646
Foreign Fisheries	Frank T. Piskur	8015	6848
Marketing	Paul J. Paradis	3060	2151
Technology	Harold B. Allen	2560	4745
Assistant Director for Resource Development, Ralph C. Baker		3352	2184
Deputy Assistant Director, John I. Hodges		3348	2184
Branch of:	Chief:		
Loans and Grants	C. Eldred Peterson	2351	4574
Market News	G. Andre Albano (Acting)	510 1/	4843
Reports	Leslie W. Scattergood	200 2/	13-28003
Resource Management	Alva F. Rollins	2449	4543

1/ 1815 N. Ft. Myer Drive, Arlington, Virginia 22209
2/ Building 74, Navy Yard Annex

BUREAU OF COMMERCIAL FISHERIES

REGIONAL AND AREA OFFICES

Region 1 (Pacific Northwest Region)

Donald R. Johnson, Director
6116 Arcade Building
Seattle, Washington 98101
Telephone: Area Code 206, 583-7575

Region 2 (Gulf and South Atlantic Region)

Seton H. Thompson, Director
Don Ce-Sar Federal Center
Post Office Box 6245
St. Petersburg Beach, Florida 33736
Telephone: Area Code 813, 363-5311

Region 3 (North Atlantic Region)

John T. Gharrett, Director
Post Office Building
Gloucester, Massachusetts 01930
Telephone: Area Code 617, 283-6410

Region 4 (Great Lakes and Central Region)

William F. Carbine, Director
5 Research Drive
Ann Arbor, Michigan 48103
Telephone: Area Code 313, 663-8456

Region 5 (Alaska Region)

Harry L. Rietze, Director
Post Office Box 2481
Juneau, Alaska 99801
Telephone: Area Code 907, 586-3511

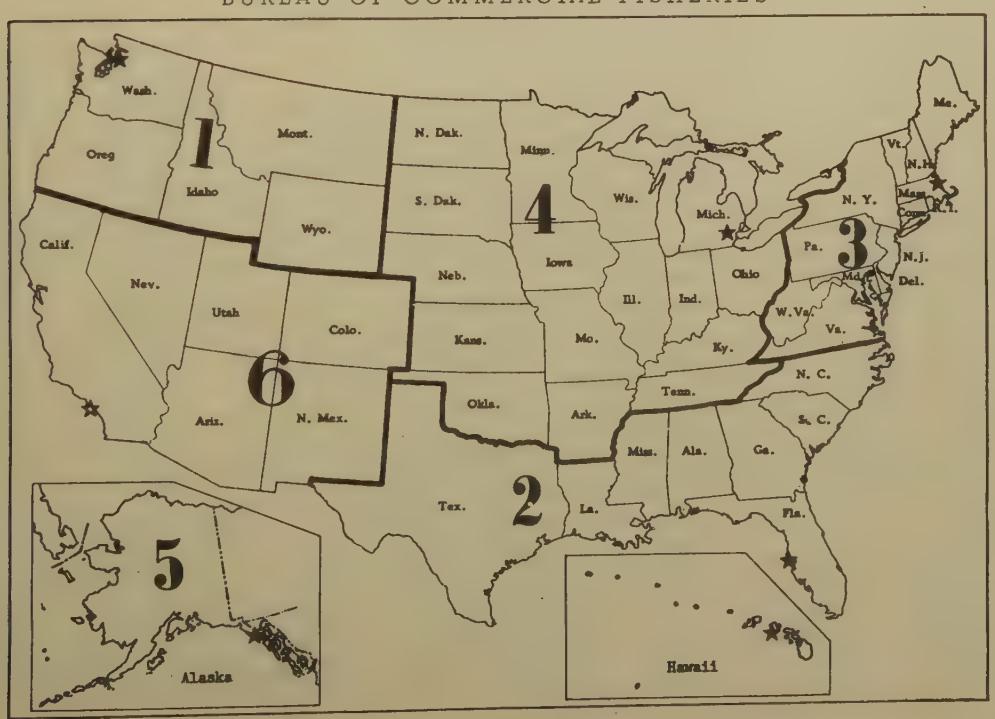
Region 6 (Pacific Southwest Region)

Vacant
101 Seaside Avenue
Terminal Island, California 90731
Telephone: Area Code 213, 831-9275

Hawaii Area Office

John C. Marr, Director
2570 Dole Street
Post Office Box 3830
Honolulu, Hawaii 96812
Telephone: Area Code 808, 962181

REGIONAL AND AREA BOUNDARIES
BUREAU OF COMMERCIAL FISHERIES



GENERAL ADMINISTRATIVE INFORMATION

FISHERY STATISTICAL OFFICES

		Telephone Number	Area Code
	NEW ENGLAND		
Rockland, Maine 04841	R.C. Barnard, 457 Main St.	594-5969	207
West Boothbay Harbor, Maine 04575	D.A. McKown, P.O. Box 33	633-2688	207
Portland, Maine 04111	A.F. Thibodeau, Rm. 2, Custom House	775-3131 Ext. 322	207
Gloucester, Mass. 01930	D.L. Hoy, P.O. Box 100, 14 Elm St.	283-3420	617
Boston, Mass. 02210	J.C. Malone, Rm. 10, Commonwealth Pier	542-6070	617
New Bedford, Mass. 02740	J.V. Mahoney, Custom House	997-0721 Ext. 56	617
Provincetown, Mass. 02657	F.C. Blossom, P.O. Bldg., Box 91	868	617
Warren, R.I. 02885	W.J. Murphy, Rm. 205, P.O. Bldg.	245-2224	401
Point Judith, R.I. 02882	J.E. Miller, Sand Hill Cove Road	783-7797	401
	MIDDLE ATLANTIC		
Bayport, L.I., N.Y. 11705	C.T. Smith, 965 Montauk Highway, P.O. Box 815	472-1787	516
Toms River, N.J. 08753	E.A. LoVerde, P.O. Box 143, 26 Main St.	349-3533	201
	CHESAPEAKE		
Oxford, Md. 21654	W.E. Brey, BCF Biological Lab.	226-5193	301
Salisbury, Md. 21801	R.H. Wilson, Rm. 11, P.O. Bldg., P.O. Box 885	749-6109	301
Weems, Virginia 22576	J.P. Wharton	438-3672	703
Norfolk, Va. 23514	T.D. Walsh, Box 3224, Custom Station (Fort Norfolk Army Engineers-Dist. Bldg. No. 7)	625-0040	703
	SOUTH ATLANTIC AND GULF		
Beaufort, N.C. 28516	H.S. Davis, U.S. Fisheries Lab., P.O. Box 500	728-4968	919
Charleston, S.C. 29401	M.H. Low, Rm. 615, Federal Bldg.	747-4220	803
Brunswick, Ga. 31521	H.F. Prytherch, Rm. 303, Federal Bldg.	265-2152	912
Miami, Fla. 33149	L.E. Johnson, 75 Virginia Beach Drive	350-5798	305
Key West, Fla. 33041	E.A. Hardy, P.O. Bldg. and Custom House	294-1921	305
Fort Myers, Fla. 33902	J.E. Naughton, Rm. 311, Federal Bldg.	334-9361	813
Tampa, Fla. 33605	J.E. Snell, 1508 Lucas Dr., Hookers Point	248-3906	813
Apalachicola, Fla. 32320	P.E. Thompson, P.O. Box 362	653-5000	305
Bayou LaBatre, Ala. 36509	D.J. Bond, P.O. Box 591	824-4149	205
Ocean Springs, Miss. 39564	H.G. Hague, P.O. Box 218	875-5345	601
New Orleans, La. 70130	G.W. Snow, Rm. 608, Federal Bldg., South	527-6151	504
Galiano, La. 70354	M.P. Duet, P.O. Box 162	632-7157	504
Houma, La. 70360	C.G. Dunn, 1626 Barrow St.	872-3321	504
Morgan City, La. 70360	D.P. Delaune, Rm. 213, P.O. Bldg.	459-4155	504
Port Arthur, Tex. 77640	J.W. Wallace, Rm. 14-C, P.O. & Custom Bldg.	985-7871	713
Galveston, Tex. 77550	O.H. Farley, Bio. Lab., Lab. A, Bldg. 302, Ft. Crockett	763-1505	713
Galveston, Tex. 77550	J.W. Morgan, Rm. 322, Custom House Bldg., 17th and Strand	763-1476	713

(Continued on next page)

FISHERY STATISTICAL OFFICES - Continued

	SOUTH ATLANTIC AND GULF - Continued	Telephone Number	Area Code
Freeport, Tex. 77541	D.W. Stevens, P.O. Box 2533	233-4551	713
Aransas Pass, Tex. 78336	V.L. Strock, P.O. Box 174	758-3787	512
Port Isabel, Tex. 78520	A.A. LaFrance, P.O. Box 467, Brownsville, Tex.	831-4050	512
Brownsville, Tex. 78520	W.S. Schiwetz, P.O. Box 467	831-4050	512
	PACIFIC COAST		
Juneau, Alaska 99801	W.K. Evans, P.O. Box 2481	586-3341	907
Seattle, Wash. 98104	V.J. Samson, 706 Federal Office Bldg.	583-5230	206
San Pedro, Calif. 90731	L.A. Keilman, Rm. 205, P.O. Bldg.	831-9271	213
	CENTRAL STATES		
Ann Arbor, Mich. 48104	H.J. Buettner, 1451 Green Road	663-8453	313
Camden, Tenn. 38320	E.C. Allen, City Hall, P.O. Box 252	584-5501	901
	HAWAII		
Honolulu, Hawaii 96812	T.S. Hida, 2570 Dole Street	962-181	808

FISHERY MARKET NEWS OFFICES

Boston, Mass. 02210	J.J. O'Brien, Rm. 10, Commonwealth Pier (TWX 617-451-3455)	542-6070	617
New York, N.Y. 10013	T.J. Risoli, 346 Broadway (TWX 212-571-1718)	344-4559	212
Baltimore, Md. 21202	J.A. Coyne, 103 S. Gay Street (TWX 301-955-0150)	752-2698	301
Hampton, Va. 23369	W.N. Kelly, P.O. Box 447 (TWX 703-733-2967)	723-6477	703
New Orleans, La. 70130	E.J. Barry, Rm. 608, Federal Bldg. 600 South Street (TWX 504-822-5120)	527-6151	504
San Pedro, Calif. 90731	L.A. Keilman, Rm. 208, P.O. Bldg. (TWX 213-548-0920)	831-9271	213
Seattle, Wash. 98104	V.J. Samson, 706 Federal Office Bldg. 909 First Avenue (TWX 206-998-0211)	583-5230	206
Chicago, Ill. 60607	Peter Di Marco, Rm. 704 U.S. Customs House, 610 Canal Street (TWX 312-431-1488)	828-5772	312

BRANCH OF LOANS AND GRANTS

Boston, Mass. 02210	408 Atlantic Avenue	223-7744	617
St. Petersburg Beach, Fla. 33736	P.O. Box 6245	363-5311	813
Terminal Island, Calif. 90731	101 Seaside Avenue	831-9275	213
Seattle, Wash. 98101	6116 Arcade Bldg.	583-7676	206
Juneau, Alaska 99801	P.O. Box 2481	586-3511	907
Honolulu, Hawaii 96812	2570 Dole Street	962-181	808

PUBLICATIONS

The following partial listing of the Service's Publication Series is presented for the information of interested persons or organizations. Most are distributed free to persons interested in receiving them. However, some reports must be purchased. Information on how to obtain the various reports released by the Branch of Fishery Statistics and the Branch of Market News will be found on pages 59 and 60.

Fishery Statistical Publications of the Bureau of Commercial Fisheries, (Fishery Leaflet 432).--This report contains a descriptive listing of all statistical publications released by the Bureau. It catalogs in detail the many publications in the Current Fishery Statistical series; daily, monthly, and annual Market News reports; and statistical digests. It also contains listings of fishery statistical reports released by other Federal agencies, International Commissions, Interstate Compact Commissions, and non-government fishery agencies.

Fishery Bulletins.--A series comprised of technical reports of fundamental scientific investigations, of primary interest to naturalists and researchers, related to the biology of fishes and other aquatic animals. These reports include monographs, and reports of studies of distribution, migration, life history, and ecology (including oceanography and limnology) of aquatic organisms and populations thereof, contributions to the theory and methodology of fishery research, and papers on the scientific basis of fishery management.

Fishery Leaflets.--These are used as correspondence aids in giving information on fishes and fisheries frequently requested by correspondents.

Fishery Circulars.--This is a series which includes popular and semitechnical publications, of general or regional interest, intended to aid conservation and the management of fishery resources.

Research Reports.--A series comprised of technical papers giving the final results of scientific investigations -- biological, technological, and economic -- of primary concern to those who would apply the results. These papers include reports on stream surveys, fish-cultural or stocking methods, fishery economics, technology, nutrition, and pharmacology, advances in shellfish culture and other methods applicable to fish and wildlife management in general.

Special Scientific Reports.--A series comprised of preliminary reports, progress reports, and reports of results of investigations of restricted scope relating to fishes and fisheries. The series is intended to aid or direct management or utilization practices, and as guides for administrative or legislative action.

Statistical Digests.--A series comprised of annual statistical summaries, chiefly tabular, but usually with explanatory text, relating to the fishery resources.

Available Leaflets on Fisheries, (Fishery Leaflet 9).--This publication is a list of fishery publications available free-of-charge from the Office of Information, U.S. Fish and Wildlife Service, Washington, D.C. 20240.

PUBLICATIONS

(DETACH AND USE FOR REQUESTING PUBLICATIONS LISTED ON PAGE 60)

TO OBTAIN FISHERY STATISTICAL PUBLICATIONS

Current Fishery Statistics

The current fishery statistical reports listed on page 60 are mailed free to interested persons and organizations. To be placed on the mailing list to receive any of these reports, detach this sheet, fill in name and address below, check desired reports on page 60, and mail to:

U. S. Department of the Interior
Bureau of Commercial Fisheries
Branch of Fishery Statistics
1815 N. Ft. Myer Drive, Room 505
Arlington, Virginia 22209

Statistical Digests

A limited number of Statistical Digests are made available each year for free distribution to Government Agencies, research organizations, State fishery departments, and other groups having special interests in fishery statistics. Persons or organizations not meeting these qualifications can purchase copies of the Digests from:

Superintendent of Documents
U. S. Government Printing Office
Washington, D. C. 20240

Fishery Products Reports

To obtain the Fishery Products Reports published by any of the Bureau's Fishery Market News offices, a request should be mailed to the particular office--see page 57 for addresses.

CHECK ON PAGE 60

Name_____

Firm or Organization_____

Street_____

City_____

State_____ Zip Code_____

PUBLICATIONS

REQUEST TO BE PLACED ON MAILING LIST

CHECK DESIRED PUBLICATIONS

The following are issued only as annual bulletins:

( )		Fisheries of the United States (Comprehensive review of the fisheries)
( )	SR-1	New England Fisheries
( )	SR-2	Middle Atlantic Fisheries
( )	SR-3	Chesapeake Fisheries
( )	SR-4	South Atlantic Fisheries
( )	SR-5	Gulf Fisheries
( )	SR-6	Pacific Coast Fisheries
( )	SR-7	Great Lakes Fisheries
( )	SR-8	Mississippi River Fisheries
( )	SR-9	Alaska Fisheries
( )	SR-10	United States Fisheries (Summary, operating unit, and catch statistics)
( )	MF-1	Canned Fishery Products
( )	MF-2	Industrial Fishery Products
( )	MF-3	Packaged Fishery Products
( )	MF-4	Manufactured Fishery Products
( )	MF-5	Fish Sticks, Fish Portions, and Breaded Shrimp (Quarterly and Annual)
( )	MF-6	Imports and Exports of Fishery Products

The following are issued as monthly and annual bulletins:

( )	FF	Frozen Fishery Products
( )	FM	Fish Meal and Oil
( )	NA-1	Maine Landings
( )	NA-2	Massachusetts Landings
( )	NA-3	Rhode Island Landings
( )	NA-4	New York Landings
( )	NA-5	New Jersey Landings
( )	SA-1	Maryland Landings
( )	SA-2	Virginia Landings
( )	SA-3	North Carolina Landings
( )	SA-4	South Carolina Landings
( )	SA-5	Georgia Landings
( )	GC-1	Florida Landings
( )	GC-2	Alabama Landings
( )	GC-3	Mississippi Landings
( )	GC-4	Louisiana Landings
( )	GC-5	Texas Landings
( )	GC-6	Shrimp Landings
( )	PC-1	Washington Landings
( )	PC-2	Oregon Landings
( )	PC-3	California Landings
( )	PC-4	Hawaii Landings
( )	GL-2	Michigan, Ohio and Wisconsin Landings

STATISTICAL SUBJECT INDEX

(Reference Gives Page Numbers)

BUREAU OF COMMERCIAL FISHERIES:

Washington, D.C., 54
Regional and Area, 55
Statistical, fishery offices, 56
Market News, fishery offices, 57
Loans and Grants, offices, 57

CATCH:

Disposition, 7
Foreign coasts, off, 5
Human food (edible), 3, 6, 35
Industrial products, 3, 6, 35
Months, by, 6
Ports, certain U.S., 7
Regions, by, 8
Round weight, 35
Sealskins, Pribilof Islands, 14
Species, certain 2
States, by, 4
U.S., 3, 4, 5, 6, 7, 8, 10, 35
U.S., waters off, 5
Volume, relative, 10
Whales, 15
World, 16, 17, 18, 19
Years, by, 3, 35

CLAMS:

Canned, 20
Catch, 2
Military purchases, 52
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10

CONSUMPTION, PER CAPITA:

Canned, 46, 47
Cured, 46
Fillets, groundfish and ocean perch, fresh and frozen, 47
Fresh and frozen, 46
Mackerel, Pacific and jack, canned, 47
Per capita consumption, commercially-caught, fish and shellfish, 46
Salmon, canned, 47
Sardines, Maine and Pacific, canned, 47
Shellfish, canned, 47
Shrimp, fresh and frozen, 47
Tuna, canned, 47
World, by country, 48

CRABS:

Canned, 20, 41
Catch, 3
Exports, 41
Imports, 25, 41
Supply, canned, 41
Value of catch, 3
Value of catch, relative, 11
Volume of catch, relative, 10

CRAFT, FISHING:

Addition to U.S. fleet, 51
Documentation, 50
Motor boats, 50
Vessels, 50

CUSTOMS DUTIES:

Value of, 45

DISPOSITION OF CATCH:

U.S., 7
World, 17

EMPLOYMENT:

Craft, 50
Establishments, shore, 50
Fishermen, 50
Processing plants, 49
Shore workers, 50

EXPORTS:

Continents, by, 33, 34
Countries, by, 33, 34
Crab meat, canned, 41
Edible, by years, 31
Important fishery exports, 31
Mackerel, canned, 31
Nonedible, by years, 31
Oils, 31, 32, 41
Salmon, canned, 31, 36
Salmon, fresh and frozen, 31
Sardines, 32
Sardines, canned, 31, 32, 38
Shrimp, canned, 31, 40
Shrimp products, 32
Squid, canned, 31
Years, by, 31

STATISTICAL SUBJECT INDEX - CONTINUED

(Reference Gives Page Numbers)

FINANCIAL ASSISTANCE PROGRAMS:

Loan program, fishery, 53
Mortgage insurance program, fishing vessel, 53
Subsidy program, fishing vessel construction-differential, 53

FLOUNDERS:

Catch, 2
Foreign coasts, catch off, 5
Military purchases, 52
Price indexes, 44
U.S., catch off, 5
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10
World catch, 18

GROUNDFISH AND OCEAN PERCH:

Catch, 2
Consumption, per capita, 47
Fillets, domestic production, 36
Fillets, supply, 36
Foreign coasts, catch off, 5
Freezings, 22
Imports, 25, 36
Military purchases, 52
Price indexes, 44
U.S., catch off, 5
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10
World catch, 18

HALIBUT, PACIFIC:

Catch, 2
Foreign coasts, catch off, 5
Freezings, 22
Imports, 25
Military purchases, 52
Price indexes, 44
U.S., catch off, 5
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10
World catch, 18

HERRING, SEA:

Canned (sardines), 20
Catch, 2
Consumption, per capita (sardines), 47
Exports (sardines), 31, 32, 38

HERRING, SEA - CONTINUED:

Imports (sardines), 25, 38
Meal, 21
Oil, 21
Price indexes (sardines), 44
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10
World catch, 18

IMPORTS:

All fishery products, 35
Bonito and yellowtail, canned, 25, 37
Continents, by, 29, 30
Countries, by, 29, 30
Crab meat, canned, 25, 41
Customs, duties, 45
Edible, by years, 28, 35
Fillets, groundfish and ocean perch, 25, 36
Fillets, other than groundfish and ocean perch, 25, 36
Halibut, fresh and frozen, 25
Important fishery imports, 25
Industrial, 35
Lobsters, canned, 25
Lobsters, fresh and frozen, 25, 39
Meal and scrap, 25, 27, 42
Nonedible, by years, 28, 35
Oils, 25, 41
Oysters, canned, 25
Quota, tuna, canned, 28
Salmon, canned, 25, 36
Salmon, fresh and frozen, 25
Sardines, canned, 25, 38
Scallop meats, fresh and frozen, 25, 40
Shrimp, fresh and frozen, 25, 26, 27, 39
Solubles, 25, 27, 42
Tuna, canned, 25, 37, 38
Tuna, fresh and frozen, 25
Years, by, 28
Yellowtail and bonito, canned, 25, 37

MACKEREL:

Canned, 20
Catch, 2
Consumption, per capita, 47
Exports, 31
Meal, 21
Oil, 21
Price indexes, 44
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10
World catch, 18

STATISTICAL SUBJECT INDEX - CONTINUED

(Reference Gives Page Numbers)

MEAL AND SCRAP:

Catch, end use, for, 7
Herring, 21
Imports, 25, 27, 42
Mackerel, 21
Menhaden, 21
Production, U.S., 21, 42
Supply, 42
Tuna, 21
Whale, 15
World catch, end use for, 17
Years, production by, 24

MENHADEN:

Catch, 2
Meal, 21
Oil, 21
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10

NORTHERN LOBSTERS:

Catch, 3, 39
Imports, 25, 39
Supply, fresh and frozen, 39
Value of catch, 3
Value of catch, relative, 11
Volume of catch, relative, 10

OIL:

Catch, end use for, 7
Exports, 31, 32, 41
Herring, 21
Imports, 25, 41
Mackerel, 21
Menhaden, 21
Production, U.S., 21, 41
Supply, 41
Tuna, 21
Whale, 15
World catch, end use for, 17
Years, production by, 24

OYSTERS:

Canned, 20
Catch, 3
Imports, 25
Military purchases, 52
Price indexes, 44
Value of catch, 3
Value of catch, relative, 11
Volume of catch, relative, 10

PLANTS AND FIRMS:

Employment, 50
Establishments, shore, 50
Processing, canned and industrial products, 49

PROCESSING AND MANUFACTURING:

Bonito and yellowtail, canned, 37
Canned products, 20
Crab meat, canned, 20, 41
Employment, 50
Fillets, fresh and frozen, 24, 36
Frozen, 22
Industrial products, 24, 41, 42
Meal, 21, 42
Oil, 21, 41
Packaged, 24
Plants, number of, 49
Portions, 23
Salmon, canned, 20, 36
Sardines, canned, 20, 38
Sealskins, Pribilof Islands, 14
Shrimp, breaded, 23
Shrimp, canned, 20, 40
Solubles, 21, 42
Sticks, 23
Tuna, canned, 20, 37
Value, manufactured, products, 43
Whale products, 15

PUBLICATIONS:

Reports, current fishery statistical, 60
Requesting publications, 59
Series, publication, 58

SALMON:

Canned, 20, 36
Catch, 2
Consumption, per capita, 47
Exports, 31, 36
Foreign coasts, catch off, 5
Freezings, 22
Imports, 25, 36
Price indexes, 44
Supply, canned, 36
U.S., catch off, 5
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10
World catch, 18

STATISTICAL SUBJECT INDEX - CONTINUED

(Reference Gives Page Numbers)

SARDINES, MAINE:

Canned, 20, 38
Consumption, per capita, 47
Exports, 31, 32, 38
Imports, 25, 38
Price indexes, 44
Supply, canned, 38

SARDINES, PACIFIC:

Canned, 20, 38
Catch, 2
Consumption, per capita, 47
Exports, 31, 32, 38
Imports, 25, 38
Supply, canned, 38
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10

SCALLOPS, SEA:

Canadian exports to U.S., 40
Catch, 3, 40
Foreign coasts, catch off, 5
Imports, 25, 40
Massachusetts catch, 40
Military purchases, 52
Supply, 40
U.S. catch, off, 5
Value of catch, 3
Value of catch, relative, 11
Volume of catch, relative, 10

SHRIMP:

Breaded, production of, 23
Canned, 20, 40
Catch, 3, 39
Catch, heads-off, 39
Catch, heads-on, 39
Consumption, per capita, 47
Exports, 31, 32, 40
Foreign coasts, catch off, 5
Freezings, 22
Imports, 25, 26, 27, 39, 40
Military purchases, 52
Price indexes, 44
Supply, canned, 40
Supply, fresh and frozen, 39
U.S., catch off, 5
Value of catch, 3
Value of catch, relative, 11
Volume of catch, relative, 10

SPINY LOBSTERS:

Catch, 3, 39
Imports, 25, 39
Supply, fresh and frozen, 39
Value of catch, 3
Value of catch, relative, 11
Volume of catch, relative, 10

SUPPLY: (Domestic production plus imports)

All fishery products, 35
Bonito and yellowtail, canned, 37
Crab meat, canned, 41
Edible fishery products, 35
Fillets, groundfish and ocean perch, 36
Fillets, other than groundfish and ocean perch, 36
Industrial fishery products, 35
Lobsters, fresh and frozen, 39
Meal, 42
Oils, 41
Salmon, canned, 36
Sardines, canned, 38
Scallop meats, fresh and frozen, 40
Shrimp, canned, 40
Shrimp, fresh and frozen, 39
Solubles, 42
Tuna, canned, 37
Yellowtail and bonito, canned, 37

TUNA:

Canned, 20, 37
Catch, 2, 38
Consumption, per capita, 47
Foreign coasts, catch off, 5
Imports, 25, 28, 37, 38
Meal, 21
Oil, 21
Quota, imports, canned, 28
Supply, canned, 37
U.S., catch off, 5
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10
World catch, 18

VALUE:

Canned products, 20
Catch, by years, 3
Customs, duties, 45
Exports, 31, 33
Human food, 3

STATISTICAL SUBJECT INDEX - CONTINUED

(Reference Gives Page Numbers)

VALUE - CONTINUED:

Imports, 28, 29
Indexes, price, 44
Industrial catch, 3
Industrial products, 24
Manufactured products, 43
Meal, 24
Military purchases, 52
Oil, 24
Packaged, 24
Portions, 23
Ports, certain U.S., 7
Regions, by, 9
Sealskins, Pribilof Islands, 14
Shell products, 24
Shrimp, breaded, 23
Sticks, 23
Species, certain, 2
States, by, 4
U.S., 3
Value, relative, 11

VALUE - CONTINUED

Value, manufactured products, various levels, 43
Whale products, 15

WHITING:

Catch, 2
Freezings, 22
Value of catch, 2
Value of catch, relative, 11
Volume of catch, relative, 10

WORLD FISHERIES:

Catch by continents, 17
Catch by countries, 16
Catch by major fishing areas, 17
Catch by species groups, 18
Disposition of catch, 17

Created in 1849, the Department of the Interior--a department of conservation--is concerned with the management, conservation, and development of the Nation's water, fish, wildlife, mineral, forest, and park and recreational resources. It also has major responsibilities for Indian and Territorial affairs.

As the Nation's principal conservation agency, the Department works to assure that nonrenewable resources are developed and used wisely, that park and recreational resources are conserved for the future, and that renewable resources make their full contribution to the progress, prosperity, and security of the United States--now and in the future.

UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
BUREAU OF COMMERCIAL FISHERIES
WASHINGTON, D.C. 20240

OFFICIAL BUSINESS

Return this sheet to above address, if you do NOT wish to receive this material ☐, or if change of address is needed ☐ (indicate change).

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR